eMachines E732/E732G/E732Z/E732ZG
Service Guide

Service guide files and updates are available on the ACER/CSD web; for more information, please refer to http://csd.acer.com.tw

PRINTED IN TAIWAN

Revision History

Please refer to the table below for the updates made on this service guides.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

NOTE: This symbol where placed in the Service Guide designates a component that should be recycled according to local regulations.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Specifications

Features

Below is a brief summary of the computer's many features:

NOTE: Items denoted with an (*) are only available for selected models.

Operating system

- Genuine Windows® 7 Home Premium 64-bit
- Genuine Windows® 7 Home Basic 64-bit

CPU and chipset

- Mobile Intel® HM55 Express Chipset

eME732

- Intel® Core™ i-350M/i3-370M/i3-380M processor (3 MB L3 cache, 2.26/2.40/2.53 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache

eME732G

- Intel® Core i-350M/i3-370M/i3-380M processor (3 MB L3 cache, 2.26/2.4/2.53 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache

eME732Z/eME732ZG

- Intel® Pentium® processor P6100/P6200 (3 MB L3 cache, 2/2.13 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache

System memory

- Dual-channel DDR3 SDRAM support:
  - Up to 4 GB of DDR3 memory, upgradable to 8 GB using two soDIMM modules

Storage

- **Hard disk drive**
  - 160/250/320/500/640/750 GB or larger
- **Multi-in-1 card reader, supporting:**
  - Secure Digital™ (SD) Card and MultiMediaCard™ (MMC)

Display

- 15.6" HD 1366 x 768 (WXGA) pixel resolution, high-brightness (200-nit), glare
- 16:9 aspect ratio

Graphics

- Dual independent display support
- 16.7 million colors
- External resolution / refresh rates:
  - VGA port up to 2560 x 1600: 60 Hz
  - HDMI™ port up to 1920 x 1080: 60 Hz
- MPEG-2/DVD decoding

eME732/eME732Z

- Intel® HD Graphics with 128 MB of dedicated system memory, supporting Microsoft® DirectX® 10
- WMV9 (VC-1) and H.264 (AVC) decoding
- HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support

eME732G/eME732ZG

- ATI Mobility Radeon™ HD 5650 with 1024 MB of dedicated DDR3 VRAM, supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1
- ATI Mobility Radeon™ HD 5470 with 512 MB of dedicated DDR3 VRAM, supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1
- VC-1 and H.264 (AVC) decoding
- Microsoft® DirectX® Video Acceleration (DXVA) application interface (API)
- HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support

Audio

- High-definition audio support with one built-in speaker
- MS-Sound compatible

Optical media drive

- **8X DVD-Super Multi double-layer drive:**
  - Read: 24X CD-ROM, 24X CD-R, 24X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 6X DVD-ROM DL, 4X DVD-R DL, 4X DVD+R DL, 6X DVD-RW, 6X DVD+RW, 5X DVD-RAM
  - Write: 24X CD-R, 16X CD-RW, 8X DVD-R, 8X DVD+R, 4X DVD-R DL, 4X DVD+R DL, 6X DVD-RW, 8X DVD+RW, 5X DVD-RAM

Dimensions and weight

- **Dimensions**
  - 381 (W) x 253 (D) x 25/34.7 (H) mm (14.96 x 9.9 x 0.98/1.36 inches)
- **Weight**
  - 2.6 kg (6.37 lbs.) with 6-cell battery pack

Webcam

- Video conferencing solution, featuring:
  - Webcam with 1280 x 1024 resolution

Wireless and networking

- **WLAN:**
  - 802.11 b/g/n Wi-Fi CERTIFIED™
  - 802.11 b/g Wi-Fi CERTIFIED™
- **WPAN:**
  - Bluetooth® 3.0+HS
- **LAN:** Gigabit Ethernet, Wake-on-LAN ready

Power adapter and battery

- ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes
- **Power adapter**
- 3-pin 65 W AC adapter:
  - 108 (W) x 46 (D) x 29.5 (H) mm (4.25 x 1.81 x 1.16 inches)
  - 225 g (0.49 lbs.) with 180 cm DC cable
- **Battery**
- 48 Wh 4400 mAh 6-cell Li-ion standard battery pack
- Battery life: 4.5 hours
- ENERGY STAR®

Input and control

- **Keyboard**
- 86-/87-/91-key eMachines FineTip keyboard with international language support
- **Touchpad**
- Multi-gesture Touchpad, supporting two-finger scroll, pinch, rotate, flip
- **Media keys**
- Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down

Input and output

- 2-in-1 card reader (SD™, MMC)
- Three USB 2.0 ports
- HDMI™ port with HDCP support
- External display (VGA) port
- Headphone/speaker/line-out jack
- Microphone-in jack
- Ethernet (RJ-45) port
- DC-in jack for AC adapter

Options and accessories

- 1/2/4 GB DDR3 1066 MHz soDIMM module
- 3-pin 65 W AC adapter
- 48Wh 4400 mAh 6-cell Li-ion battery pack

Software

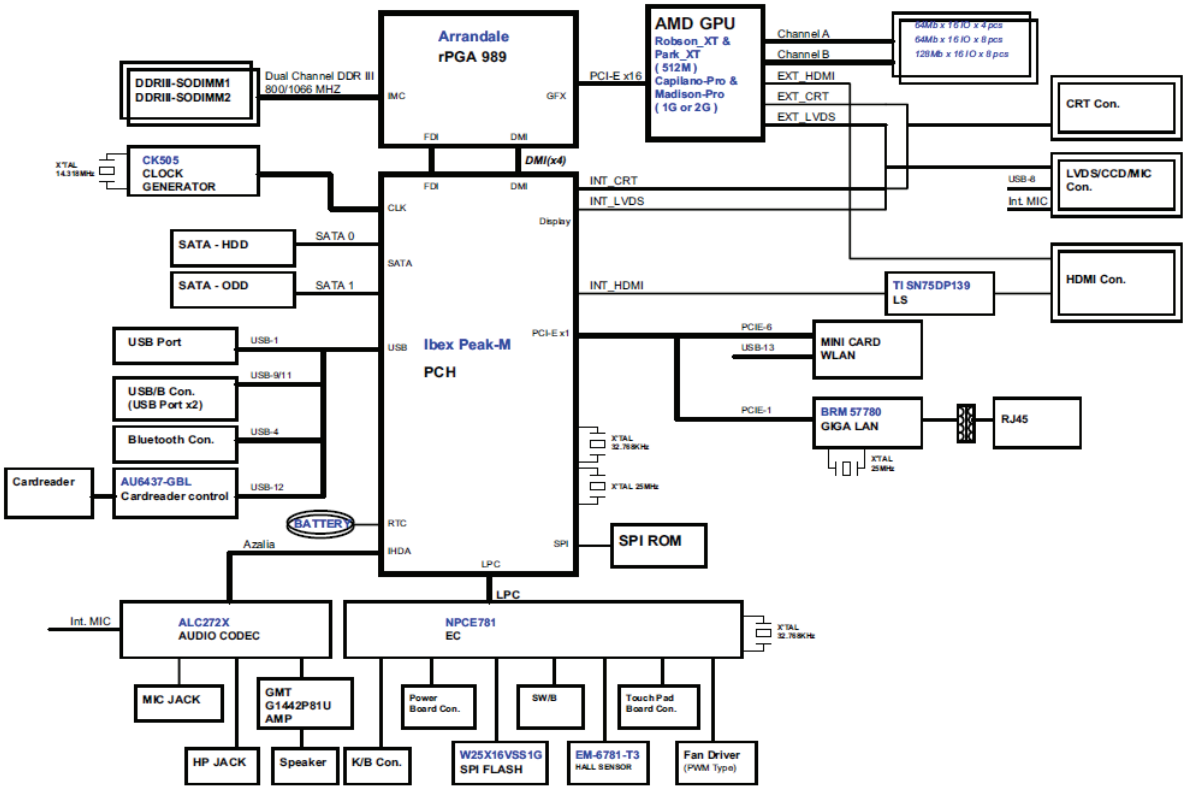
- **Productivity**
  - eMachines Power Management
  - eMachines Recovery Management
  - Adobe® Flash® Player 10
  - Adobe® Reader® 9.1
  - Google Toolbar™
  - Microsoft® Office 2010 preloaded (purchase a product key to activate)
  - Microsoft® Office Starter 2010
  - Norton™ Online Backup
- **Security**
  - Norton Internet Security™ 2011
- **Multimedia**
  - Corel® WinDVD (for models with Windows® 7 Basic)
  - NTI Media Maker™
- **Gaming**
  - WildTangent® (except China, Japan, Hong Kong, Korea)
- **Communication and ISP**
  - Microsoft® Silverlight™
  - Skype™
  - Windows Live™ Essentials - Wave 3 (Mail, Photo Gallery, Live™ Messenger, Writer)
- **Web links and utilities**
  - eMachines Identity Card
  - eMachines Registration
  - eMachines Updater

Environment

- **Temperature**:
  - Operating: 41 °F to 95 °F (5 °C to 35 °C)
  - Non-operating: -4 °F to -149 °F (20 °C to 65 °C)
- **Humidity (non-condensing):**
  - Operating: 20% to 80%
  - Non-operating: 20% to 80%

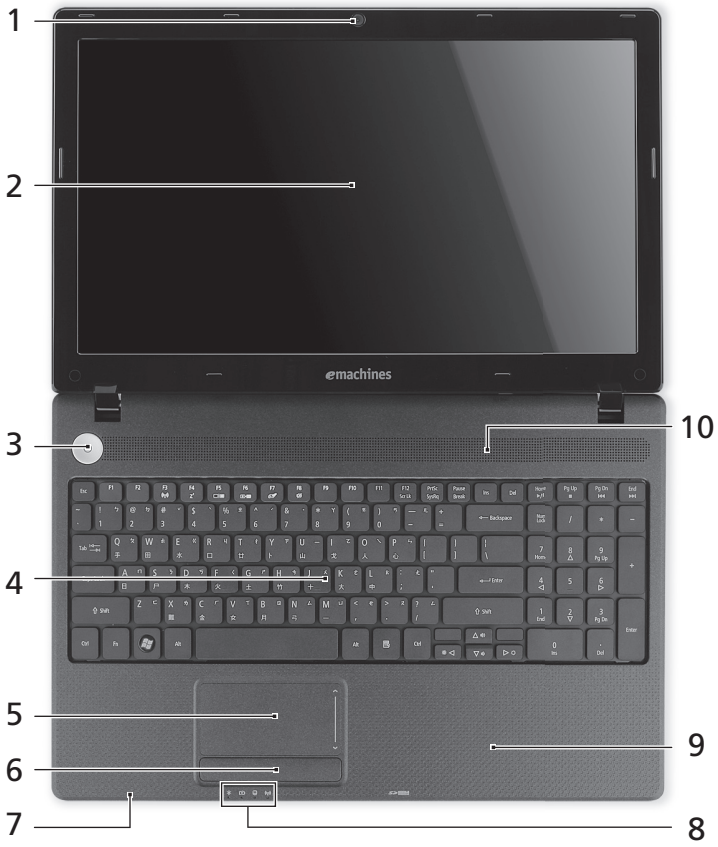
NOTE: The specifications listed above are for reference only. The exact configuration of the PC depends on the model purchased.

System Block Diagram



Your Acer Notebook tour

Top View



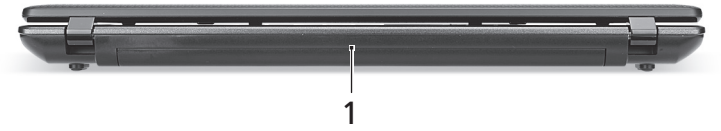
#	Icon	Item	Description
1		Integrated webcam	Web camera for video communication (only for certain models).
2		Display screen	Also called Liquid-Crystal Display (LCD), displays computer output (configuration may vary by model).
3		Power button	Turns the computer on and off.
4		Keyboard	For entering data into your computer
5		Touchpad	Touch-sensitive pointing device which functions like a computer mouse.
6		Click buttons (left, and right)	The left and right buttons function like the left and right mouse buttons.
7		Microphone	Internal microphone for sound recording.

#	Icon	Item	Description
8		Power indicator	Indicates the computer's power status.
		Battery indicator	Indicates the computer's battery status. 1. Charging: The light shows amber when the battery is charging. 2. Fully charged: The light shows blue when in AC mode.
		HDD indicator	Indicates when the hard disk drive is active.
		Communication indicator	Indicates the computer's wireless connectivity device status.
9		Palmrest	Comfortable support area for your hands when you use the computer.
10		Speaker	Delivers audio output.

Closed Front View

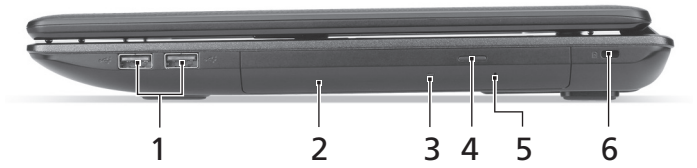
No.	Icon	Item	Description
1		Microphone jack	Accepts inputs from external microphones.
		Headphone/ speaker/line-out jack	Connects to audio line-out devices (e.g., speakers, headphones).
2		2-in-1 card reader	Accepts Secure Digital (SD), MultiMediaCard (MMC). Note: Push to remove/install the card. Only one card can operate at any given time.

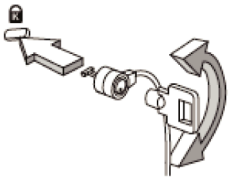
Rear view



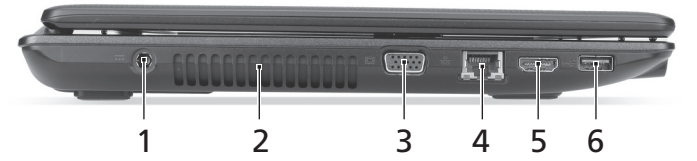
No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.

Right View



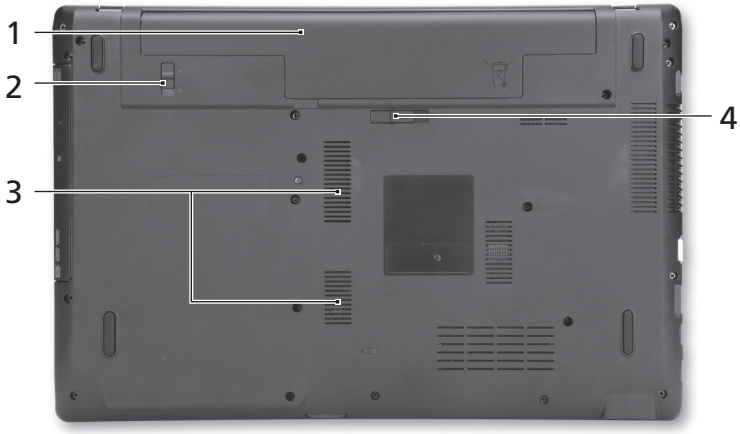
No.	Icon	Item	Description
1		USB 2.0 ports	Connect to USB 2.0 devices (e.g., USB mouse, USB camera).
2		Optical drive	Internal optical drive; accepts CDs or DVDs.
3		Optical disk access indicator	Lights up when the optical drive is active.
4		Optical drive eject button	Ejects the optical disk from the drive.
5		Emergency eject hole	Ejects the optical drive tray when the computer is turned off. Note: Insert a paper clip to the emergency eject hole to eject the optical drive tray when the computer is off.
6		Kensington lock slot 	Connects to a Kensington-compatible computer security lock. Note: Wrap the computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.

Left View



No.	Icon	Item	Description
1		DC-in jack	Connects to an AC adapter.
2		Ventilation slots	Enable the computer to stay cool, even after prolonged use.
3		External display (VGA) port	Connects to a display device (e.g., external monitor, LCD projector).
4		Ethernet (RJ-45) port	Connects to an Ethernet 10/100/1000-based network.
5	HDMI	HDMI port	Supports high-definition digital video connections.
6		USB 2.0 port	Connects to USB 2.0 devices (e.g., USB mouse, USB camera).

Base View



No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.
2		Battery lock	Locks the battery in position.
3		Ventilation slots	Enable the computer to stay cool, even after prolonged use.
4		Battery release latch	Releases the battery for removal.

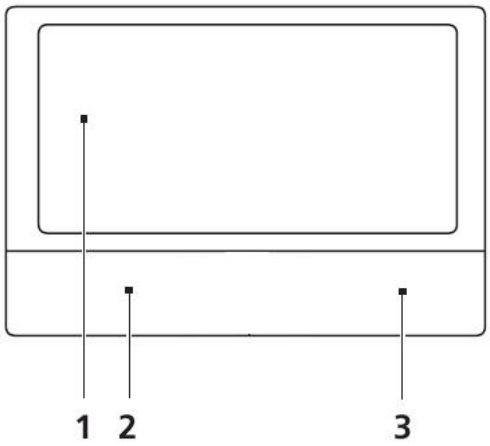
Indicators

The computer has several easy-to-read status indicators.

Icon	Function	Description
	Power	Indicates the computer's power status.
	Battery	Indicates the computer's battery status. **NOTE:** 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.
	HDD	Indicates when the hard disk drive is active.
	Communication indicator	Indicates the computer’s wireless connectivity device status.

Touchpad Basics

The following items show you how to use the touchpad:



- Move your finger across the touchpad (1) to move the cursor.
- Press the left (2) and right (3) buttons located beneath the touchpad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad is the same as clicking the left button.

Function	Left Button (2)	Right Button (3)	Main Touchpad (1)
Execute	Quickly click twice.		Tap twice (at the same speed as double-clicking a mouse button).
Select	Click once.		Tap once.
Drag	Click and hold, then use finger on the touchpad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the touchpad on the second tap and drag the cursor.
Access context menu		Click once.	

NOTE: When using the touchpad, keep it - and your fingers - dry and clean. The touchpad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping too hard will not increase the touchpad's responsiveness.

Using the Keyboard

The keyboard has full-sized keys and an embedded numeric keypad, separate cursor, lock, Windows, function and special keys.

Lock Keys and embedded numeric keypad

The keyboard has two lock keys which you can toggle on and off.

Lock key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock <Fn> + <F11>	When Num Lock is on, the embedded keypad is in numeric mode.
Scroll Lock <Fn> + <F12>	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

Windows Keys

The keyboard has two keys that perform Windows-specific functions.

Key	Description
Windows key	Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of functions: <**>**:** Open or close the Start menu <**> **+ <D>:** Display the desktop <**> **+ <E>:** Open Windows Explore <**> **+ <F>:** Search for a file or folder <**> **+ <G>:** Cycle through Sidebar gadgets <**> **+ <L>:** Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain) <**> **+ <M>:** Minimizes all windows <**> **+ <R>:** Open the Run dialog box <**> **+ <T>:** Cycle through programs on the taskbar <**> **+ <U>:** Open Ease of Access Center <**> **+ <X>:** Open Windows Mobility Center <**> **+ <BREAK>:** Display the System Properties dialog box <**> **+ <SHIFT+M>:** Restore minimized windows to the desktop <**> **+ <TAB>:** Cycle through programs on the taskbar <**> **+ <SPACEBAR>:** Bring all gadgets to the front and select Windows Sidebar **<CTRL> + <**> **+ <F>:** Search for computers (if you are on a network) **<CTRL> + <**> **+ <TAB>:** Use the arrow keys to cycle through programs on the taskbar **Note:** Depending on your edition of Windows, some shortcuts may not function as described.

Hot Keys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS utility.

To activate hot keys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.

Hotkey	Icon	Function	Description
<Fn> + <F3>		Communication key	Enables / disables the computer's communication devices. (Communication devices may vary by configuration.)
<Fn> + <F4>		Sleep	Puts the computer in Sleep mode.
<Fn> + <F5>		Display toggle	Switches display output between the display screen, external monitor (if connected) and both.
<Fn> + <F6>		Display Off	Turns the display screen backlight off to save power. Press any key to return.
<Fn> + <F7>		Touchpad toggle	Turns the internal Touchpad on and off.
<Fn> + <F8>		Speaker toggle	Turns the speakers on and off.
<Fn> + <▷>		Brightness up	Increases the screen brightness.
<Fn> + <◁>		Brightness down	Decreases the screen brightness.
<Fn> + <△>		Volume up	Increases the sound volume.
<Fn> + <▽>		Volume down	Decreases the sound volume.
<Fn> + <Home>		Play/Pause	Play or pause a selected media file.
<Fn> +<Pg Up>		Stop	Stop playing the selected media file.
<Fn> +<Pg Dn>		Previous	Return to the previous media file.
<Fn> + <End>		Next	Jump to the next media file.

Hardware Specifications and Configurations

Processor

Item	Specification
CPU Type	Intel Arrandale
CPU Package	rPGA 989
Core Logic	Intel Ibex-Peak (HM55)
Core Voltage	0.725–1.4

Processor Specifications

Item	CPU Speed	Cores	Bus Speed (GHz)	Mfg. Tech	Cache Size	Core Voltage	P/N
Ci3350M	2.26 G	2	2.5 GT/s	PGA988	3 M	0.725–1.4V	KC.35001.DMP
Ci3350M	2.26 G	2	2.5 GT/s	PGA988	3 M	0.725–1.4 V	KC.35K01.DMP
Ci3370M	2.40 G	2	2.5 GT/s	PGA988	3 M	0.725–1.4 V	KC.37K01.DMP
PMDP6100	2.00 G	2		PGA988	3 M		KC.61001.DPP
PMDP6200	2.13 G	2		PGA988	3 M		KC.62001.DPP

CPU Fan True Value Table (TJ105)

Fan On (Celsius)	Fan Off (Celsius)	RPM
45	40	2950
55	50	3300
69	62	3650
81	76	3950
93	88	max

Throttling 50%: On= 100°C; OFF=94°C

OS shut down at 105°C; H/W shut down at 105°C

CPU Fan True Value Table (TJ90)

Fan On (Celsius)	Fan Off (Celsius)	RPM
45	40	2950
55	50	3300
69	62	3650
81	76	3950
93	88	max

Throttling 50%: On= 100°C; OFF=94°C

OS shut down at 105°C; H/W shut down at 105°C

System Memory

Item	Specification
Memory controller	Intel Arrandale
Memory size	0MB (no on-board memory)
DIMM socket number	2 sockets
Supports memory size per socket	4 GB
Supports maximum memory size	8 GB
Supports DIMM type	DDR 3 Synchronous DRAM
Supports DIMM speed	1600Mbps/1333Mbps/1066Mbps
Supports DIMM voltage	1.5V +/- 0.075V
Supports DIMM package	204-pin socket 989-pin Micro-FCPGA
Memory module combinations	You can install memory modules in any combinations as long as they match the above specifications.

System Board Major Chips

Item	Specification
Core logic	Ibex Peak-M
VGA	Arrandale Robson XT & Park XT Capilano-Pro & Madison-Pro
LAN	BRM 57780
USB 2.0	Ibex Peak-M
Super I/O controller	Ibex Peak-M
Bluetooth	Ibex Peak-M
Wireless	Ibex Peak-M
PCMCIA	N/A
Audio codec	ALC272X
Card reader	AU6437-GBL

BIOS

Item	Specification
BIOS vendor	InsydeH20
BIOS version	0.06
BIOS ROM type	
Features	•

Speaker

Item	Specification
Vendor	
Module No.	
Power Rating	
Output Sound Pressure Level	
Response FO	
Distortion	

Memory Combinations

Slot 1	Slot 2	Total Memory
0MB	512MB	512MB
0MB	1024MB	1024MB
0MB	2048MB	2048MB
0MB	4096MB	4096MB
512MB	512MB	1024MB
512MB	1024MB	1536MB
512MB	2048MB	2560MB
512MB	4096MB	4608MB
1024MB	512MB	1536MB
1024MB	1024MB	2048MB
1024MB	2048MB	3072MB
1024MB	4096MB	5120MB
2048MB	512MB	2560MB
2048MB	1024MB	3072MB
2048MB	2048MB	4096MB
2048MB	4096MB	6144MB
4096MB	512MB	4068MB
4096MB	1024MB	5120MB
4096MB	2048MB	6144MB
4096MB	4096MB	8192MB

NOTE: The memory combinations for slots 1 and 2 can be reversed.

Wireless Module 802.11b/g/Draft-N

Item	Specification			
Manufacturer	Foxconn			QMI
Model	43225	HB95BG	HB97	HB97
Supported standards	IEEE 802.11b/g/n		IEEE 802.11b/11g	IEEE 802.11b/g/n

LAN Interface

Item	Specification
LAN chipset	BRM 57780
LAN connector type	RJ-45
LAN connector location	Left side
Features	• Integrated 10/100/1000BASE-T transceiver • Automatic MDI crossover function • 10/100/1000BASE-T full-duplex/half-duplex MAC • Receive side scaling (RSS) for multicore processors • Complies with IEEE 802.3, 802.3u, 802.3ab, and 802.1p • IPv4 and IPv6 large send offload and checksum offload (LSO/TCO) • Wake on LAN (WOL) support meeting ACPI requirements • PCI Express CLKREQ# support • Integrated switching regulator

Bluetooth Interface

Item	Specification
Chipset	BT 2.1 • Foxconn Bluetooth BRM2070 • Foxconn Bluetooth AR3011 BT 3.0 • Foxconn Bluetooth BRM2046 • Foxconn Bluetooth ATH AR3011 • Foxconn Bluetooth BRM 2070
Radio Technology	FHSS
Operating Frequency	2402 ~ 2480MHz ISM band
Channel Numbers	79 channels with 1MHz BW
Transmitter Output Power	-6~4dBm output power for class2 operation
Receiver Sensitivity	-75dBm @ 0.1% BER (Max)
Maximum Receiver Signal	-10dBm
Operating Voltage	3.3V+/-0.3V
Interface	USB 2.0
Protocol	BRM2070: BT2.1+EDR; supporting BT3.0+HS after driver upgrade AR3011: BT2.1+EDR; supporting BT3.0+HS after driver upgrade BRM2046: BT2.1+EDR ATH AR3011: BRM 2070:
Connector type	BRM2070: JST SM06B-XSRK-ETB (HF) AR3011: SM08B-SURS-TF(LF)(SN) JST BRM2046: JST SM08B-SURS-TF ATH AR3011: BRM 2070:

3G Module (Not available with this model)

Item	Specification
Manufacturer	
Model	
Card Type	
Throughput	
Supported Services	

Hard Disk Drive Interface

Item	Specification				
Capacity (GB)	160		250		
Vendor & Model Name	Seagate ST9160314AS HGST HTS545016B9A300 Toshiba MK1665GSX WD WD1600BEVT-22A23T0		Seagate ST9250315AS HGST HTS545025B9A300 Toshiba MK2565GSX WD WD2500BEVT		
Bytes per sector	512				
Data heads	2	1	2	3	2
Drive Format					

Item	Specification							
Disks	1		1		1		2	1
Spindle speed (RPM)	5400							
Performance Specifications								
Buffer size	8 MB							
Interface	SATA							
Max. Media Transfer Rate (Mbytes/sec max.)	300	300		300	300	300	384	300
Max. Data Transfer Rate (Mbytes/sec)	1175	875		108544	1175	875	1031	108544
DC Power Requirements								
Voltage tolerance	5V ±5%							

Hard Disk Drive Interface (continued)

Item	Specification							
Capacity (GB)	320				500			
Vendor & Model Name	Seagate ST9320310AS HGST HTS545032B9A300 Toshiba MK3265GSX WD WD3200BPVT-22ZEST0				Seagate ST9500325AS HGST HTS545050B9A300 Toshiba MK5065GSX WD WD5000BEVT-22A0RT0			
Bytes per sector	512							
Data heads	3		2	2	4			2
Drive Format								
Disks	2	2	1		1	2	2	1
Spindle speed (RPM)	5400							
Performance Specifications								
Buffer size	8 MB							
Interface	SATA							
Max. Media Transfer Rate (Mbytes/sec max.)	300	300	384	300	300	300	384	300
Max. Data Transfer Rate (Mbytes/sec)	1175	112000	1273	108544	1175	112000	1031	108544
DC Power Requirements								
Voltage tolerance	5V ±5%							

Hard Disk Drive Interface (continued)

Item	Specification	
Capacity (GB)	640	750
Vendor & Model Name	Toshiba MK6465GSX Western Digital WD6400BEVT-22A0RT0	Western Digital WD7500BPVT-22HXZT1
Bytes per sector	512	
Data heads	4	4
Drive Format		
Disks	2	2
Spindle speed (RPM)	5400	
Performance Specifications		
Buffer size	8 MB	
Interface	SATA	
Max. Media Transfer Rate (Mbytes/sec max.)	300	
Max. Data Transfer Rate (buffer to/from media) (Mbytes/sec)	1273, 108544	108544
DC Power Requirements		
Voltage tolerance	5V ±5%	

USB Port

Item	Specification
Chipset	Ibex Peak-M
USB compliance level	USB 2.0
UHCI / EHCI	2 EHCI, 6 UHCI
Number of USB port(s)	3
Location	1 on the left side, 2 on the right side
Serial port function control	Ibex Peak-M

Audio Subsystem

Item	Specification
Audio Controller	ALC272X
Chipset	On board
Package	
Speaker Amplifier	
Audio port	
Internal	One speaker
Compatibility	• WLP 3.10 • EAX 1.0 & 2.0 • Direct Sound 3D • I3DL2
Sampling rate	All DACs support independent 44.1k/48k/96k/192kHz sample rateit
External	Mic jack Headphone/speaker/line-out jack

Video Interface

Item	Specification	
Chipset	Arrandale	Robson XT & Park XT Capilano-Pro & Madison-Pro
Package	rPGA 989	962 FCBGA
Interface	LVDS / CRT	
Compatibility	1366x768/60Hz(16:9) / 1280x720/60Hz(16:9) / 1024x768/60Hz(4:3) / 800x600/60Hz(4:3)	
Sampling rate	60Hz	
Internal microphone	Yes	
Internal speaker / quantity	1	

VRAM

Item	Specification		
Chipset	Arrandale	Robson XT & Park XT	Capilano-Pro & Madison-Pro
Memory size	N/A	512 MB	1 / 2 GB
Interface	PCI-E		

HDMI Port

Item	Specification
Compliance level	1.3 compliant
Throughput	Up to 2.5Gbps per lane (250MHz pixel clock)
Number of HDMI port(s)	1
Location	Left side

PCMCIA Port (Not available in this model)

Item	Specification
PCMCIA controller	
Supports card type	
Number of slots	
Access location	
Supports ZV (Zoomed Video) port	
Supports 32-bit CardBus	

Super-Multi Drive Module

Item	Specification			
Vendor & model name	HLDS GT32N		Panasonic UJ8A0	
Performance Specification	With CD Diskette	With DVD Diskette	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: 3.6 MB/s (24x) max.	Sustained: 11.08 MB/s (8x) max.	max. 24x CAV (max. 3.6 MB/s)	max. 8X CAV (max. 10.8 MB/s)
Buffer Memory	1 MB			
Interface	SATA			
Applicable disc formats	4.7GB (Single Layer) 8.5GB (Dual Layer) DVD-R: 3.95GB (Ver. 1.0: read only) 4.7GB (Ver. 2.0 for Authoring: read only) 4.7GB (Ver. 2.1 for General: read & write) (DL)8.5GB (Ver. 3.0) DVD-RW:4.7GB (Ver. 1.2/ Rev 1.0, 2.0, 3.0) DVD-RAM:4.7GB/side (Ver. 2.2) DVD+R: 4.7GB (Ver. 1.3)(DL) 8.5GB (Ver. 1.1) DVD+RW: 4.7GB (Vol.1 Ver.1.3) CD-ROM Mode-1 data disc CD-ROM Mode-2 data disc CD-ROM XA, CD-I, Photo-CD Multi-Session, Video CD CD-Audio Disc Mixed mode CD-ROM disc (data and audio) CD-Extra CD-Text CD-R (Conforming to “Orange Book Part 2”: read & write) CD-RW (Conforming to “Orange Book Part 3”: read & write)		DVD-VIDEO, DVD-ROM, DVD-R(4.7GB), DVD-R DL DVD-RW(Ver.1.1/1.2) DVD+R, DVD+R DL, DVD+RW DVD-RAM(4.7GB) CD-DA,CD-ROM,CD-ROM XA PhotoCD(muiltiSession) Video CD,Cd-Extra(CD+),CD-text	
Loading mechanism	Drawer type manual load Electrical release Emergency Release (draw open hole)			
Power Requirement				
Input Voltage	DC 5 V +/- 5%			

Super-Multi Drive Module (continued)

Item	Specification			
Vendor & model name	PLDS DS-8A5SH		Sony AD7585H	
Performance Specification	With CD Diskette	With DVD Diskette	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: - CD-ROM inside 1.45 MB/s (min.) - CD-ROM outside 3.5 MB/s (min.)	Sustained: - DVD-ROM inside 3.7 MB/s (min.) - DVD-ROM outside 10 MB/s (min.)	Sustained: - CD-ROM inside 1.57 MB/s (typical) - CD-ROM outside 3.65 MB/s (typical)	Sustained: - DVD-ROM inside 4.57 MB/s (typical) - DVD-ROM outside 10.99 MB/s (typical)
Buffer Memory	2 MB		2 MB	
Interface	SATA		SATA	
Applicable disc formats	DVD-ROM, DVD-Video, DVD-Audio, DVD-RW DVD+RW DVD-R single/multi border(s) DVD+R single/multi session(s) DVD-R9 single/multi border(s) DVD+R9 single/multi session(s) DVD-RAM CD-DA, CD-TEXT, CD ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Form-2, CD-I Ready, Video-CD (MPEG-1), Photo-CD, Enhance CD, CD extra, UDF (fixed/variable Packet mode)		DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-Video, DVD-Audio, SACD (Hybrid), UDF DVD, DVD-R, DVD-R DL, DVD-R 3.95 GB, DVD-R Authoring, DVD-R Multi-Border, DVD-R Download (DVD-R CSS, Qflix), DVD-RW, DVD-RW DL, DVD+R, DVD+R, DVD Data & Video CD-DA, CD-ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Mode-2 Form-2, CD-i, CD-i Bridge, Video-CD (MPEG-1), Karaoke CD, Photo-CD, Enhanced CD, CD Plus, CD Extra, itrax CD, CD-Text, UDF CD, CD-R, and CD-RW, CD-DA, CD-ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Mode-2 Form-2, CD-i, Video-CD, CD-Text	
Loading mechanism	Manual load/ Plunger system			
Power Requirement				
Input Voltage	DC 5 V +/- 5%			

Super-Multi Drive Module (continued)

Item	Specification	
Vendor & model name	Toshiba TS-L633F	
Performance Specification	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: - CD-ROM/R Read (Mode1) Max 3.6 MB/sec - CD-RW Read (Mode1) Max 3.6 MB/sec	Sustained: - DVD-Single Read Max 10.8 MB/sec - DVD-ROM Dual Read Max 10.8 MB/sec - DVD±R Dual Read Max 8.1 MB/sec - DVD-RAM Read Max 6.75 MB/sec
Buffer Memory	2 MB	
Interface	SATA	
Applicable disc formats	DVD-ROM (Book 1.02), DVD-Dual DVD-Video (Book 1.1) DVD-R (Book 1.0, 3.9G) DVD-R (Book 2.0, 4.7G) - General & Authoring DVD+R (Version 1.0) DVD+RW DVD-RW (Non CPRM & CPRM) DVD±R Dual DVD-RAM CD-DA (Red Book) - Standard Audio CD & CD-TEXT CD-ROM (Yellow Book Mode1 & 2) - Standard Data CD-ROM XA (Mode2 Form1 & 2) - Photo CD, Multi-Session CD-I (Green Book, Mode2 Form1 & 2, Ready, Bridge) CD-Extra/ CD-Plus (Blue Book) - Audio & Text/Video Video-CD (White Book) - MPEG1 Video CD-R (Orange Book Part áU) CD-RW & HSRW (Orange Book PartáV Volume1 & Volume2) Super Audio CD (SACD) Hybrid type US & US+ CD-RW	
Loading mechanism	Drawer (Solenoid Open) Tact SW (Open) Emergency Release (draw open hole)	
Power Requirement		
Input Voltage	DC 5 V +/- 5%	

Keyboard

Item	Specification
Controller	NPCE781
Total number of keypads	86 key for US/CA, 87 key for FR/SP/GM, 89 key for JP 19mm
Hotkeys	Standby, wireless/BT enable/disable, brightness up/down, LCD/CRT. See “Hot Keys” on page 13.

I/O Ports

Item	Specification
I/O support	• 2-in-1 card reader (SD™, MMC) • Three USB 2.0 ports • HDMI™ port with HDCP support • External display (VGA) port • Headphone/speaker/line-out jack • Microphone-in jack • Ethernet (RJ-45) port • DC-in jack for AC adapter

Main Battery

Item	Specification						
	6 Cell						
Vendor	Simplo			Panasonic	Sanyo	Samsung	Sony
Part name	AS10D71	AS10D73	AS10D	AS10D51	AS10D31	AS10D61	AS10D41
Battery Type	Li-ion						
Pack capacity	4400mAh						
Normal voltage	11.1V			10.8V			
Charge voltage	12.6V						
Fast charge current	3520 mA			3010 mA	3520 mA		

RTC Battery

Item	Specification
Part name	
Pack capacity	
Normal voltage	

LCD Inverter (Not available in this model)

Item	Specification
Vendor & model name	
Brightness conditions	
Input voltage (v)	
Input current (mA)	
Output voltage (V, RMS)	
Output current (mA, RMS)	
Output voltage frequency (KHz)	

External Display Supported Resolution

Resolution	24 bits	30 bits	36 bits	48 bits
640X480p/60Hz 4:3	Yes	NA	NA	NA
720X480p/60Hz 4:3	NA	NA	NA	NA
640X480p/60Hz 16:9	NA	NA	NA	NA
1280X720p/60Hz 16:9	Yes	NA	NA	NA
1920X1080p/60Hz 16:9	Yes	NA	NA	NA
1440X480p/60Hz 4:3	NA	NA	NA	NA
1440X480p/60Hz 16:9	NA	NA	NA	NA
1920X1080p/50Hz 16:9	Yes	NA	NA	NA
720X576p/50Hz 4:3	Yes	NA	NA	NA
720X576p/50Hz 16:9	NA	NA	NA	NA
1280X720p/50Hz 16:9	Yes	NA	NA	NA
1920X1080i/50Hz 16:9	Yes	NA	NA	NA
1440X576i/50Hz 4:3	NA	NA	NA	NA
1440X576i/50Hz 16:9	NA	NA	NA	NA
1920X1080p/50Hz 16:9	Yes	NA	NA	NA

LCD

Item	Specification			
Vendor/model name	AUO B156XW02 V2 LF	CMO N156B6-L0B LF	LPL LP156WH2-TLEA LF	Samsung LTN156AT02-A04 LF
Screen diagonal (mm)	394.91 diagonal mm			
Display area (mm)	344.23 x 193.54 mm			
Display resolution (pixels)	1366 x768			
Pixel pitch	0.252 x 0.252 mm			
Display mode	Normally white			
Typical white luminance (cd/m^2) (also called crightness)	200	220	220	220
Contrast ratio (typical)	500	600	500	500
Response time (optical rise time/fall time) msec	16 typ.	8 typ		
Weight	460 max.			
Physical size (mm)	359.3 (L) x 209.5 (W) x 5.5 (D) mm			
Electrical interface	1 channel LVDS			
Support color	262K colors			
Viewing angle (up/down/ right/left)	45 degrees (L+R), 15 degrees (H), 35 degrees (L)	45 degrees (L+R), 20 degrees (H), 45 degrees (L)	40 degrees (L+R), 10 degrees (H), 30 degrees (L)	40 degrees (L+R), 15 degrees (H), 30 degrees (L)
Temperature range (°C) Operating Storage (shipping)	 0 min. to 50 max. -20 min. to 60 max.			

Camera

Item	Specification			
Vendor and model	Chicony CH9665SN	Liteon LT9665AL	Liteon LT6AASP	Suyin SY9665SN
Type	CMOS image sensor with SXGA			
Interface	USB 2.0			
Focusing range	26.6cm ~ infinity	32cm ~ infinity	31.5 cm~infinity	70 mm
Dimensions (L x W x H mm)	65.0±0.3 x 8.0±0.1 x 3.69+0.11/-0.2 mm	65.0 x 8.0 x 3.53 ±0.2 mm	65 x 8 x 3.69 +0.11/-0.29 mm	65 x 8.0 x 3.74 mm
Sensor type	SXGA CMOS	CMOS Image		OV9665
Pixel resolution	1280x1024, 1280x800, 640x480, 352x288, 320x240, 176x144, 160x120	1280x1024, 1024x768, 640x480, 350x288, 320x240, 176x144, 160x120		1280x1024, 1024x768, 800x600, 640x480, 352x288, 320x240, 176x144, 160x120
Pixel size	2 um x 2 um			
Image size	1.3 MP			

Card Reader

Item	Specification
Chipset	
Features	Secure Digital™ (SD) Card, MultiMediaCard (MMC)

System LED Indicator

Item	Specification
Drive Activity	Power Led: Blue Suspend: Amber Off: No light
Primary Battery charging state	Blue: Fully charged Amber: Battery Charging

AC Adapter

Item	Specification
Input rating	90 Vac to 264 Vac
Maximum input AC current	132 Vac to 264 Vac
Inrush current	264 Vac; (Cold Start) no damage
Efficiency	Meets EPA 2.0 level V requirements

Trusted Platform Module (TPM) (Not available with this model)

Item	Specification
Version	
Hardware controller	

System Power Management

Item	Initial	On	Standby	Suspend	Hibernate	Soft Off
Initial		1				
On(S0)			2	3	4	5
Standby(S1)		6				
Suspend(S3)		7				
Hibernate(S4)		8				
Soft Off(S5)		9				

Mechanical off is a condition where all power except the RTC battery has been removed from the system.

1. Initial to On state: When the AC adapter or Battery pack has been plugged into the system, the I WPC781 will be reset and initial all output pins then the system goes into Initial state and waiting for power on event. If the power button is pressed then the system will go into the ON state.

2. ON to Standby state: The system will go into the Standby state when Ibex Peak-M receives the POS command.

3. ON to Suspend state: The system will go into Suspend state when Ibex Peak-M receives the S2R command.

4. ON to Hibernate state: The system will go into Hibernate state when Ibex Peak-M receives the S2D command.

5. ON to Soft Off state: The system will go into Soft Off state when Ibex Peak-M receives the Soft off command.

6. Standby to ON state: The system will go into ON state when the system receives any wake up events, for example, keyboard, mouse.

7. Suspend to ON state: The system will go into ON state when the power button is pressed.

8. Hibernate to ON state: The system will go into ON state when the power button is pressed.

9. Soft Off to ON state: The system will go into ON state when the power button is pressed.

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/ Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press **F2** during POST (when **Press <F2> to enter Setup** message is promptedon the bottom of screen).

Press **F2** to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press **<F12>** during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Navigating the BIOS Utility

There are five menu options: Information, Main, Security, Boot, and Exit.

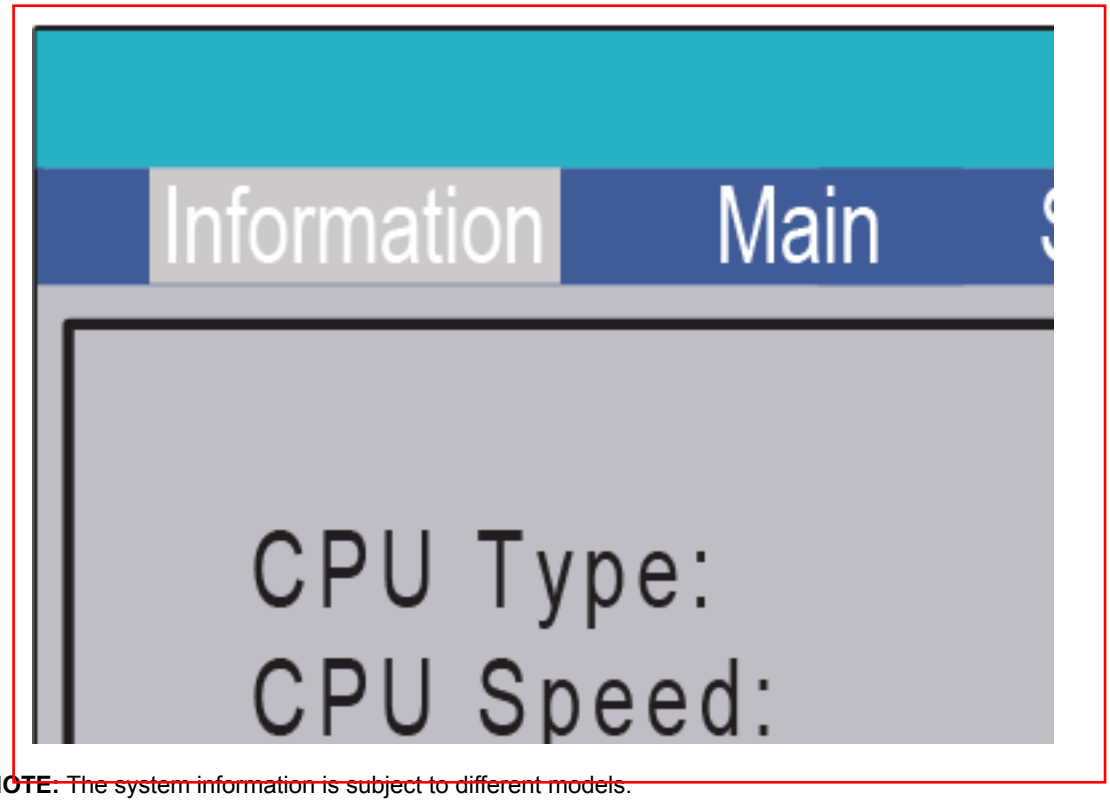
Follow these instructions:

- To choose a menu, use the left and right arrow keys.
- To choose an item, use the up and down arrow keys.
- To change the value of a parameter, press **F5** or **F6**.
- Press **Esc** while you are in any of the menu options to go to the Exit menu.
- In any menu, you can load default settings by pressing **F9**. You can also press **F10** to save any changes made and exit the BIOS Setup Utility.

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models.**

Information

The Information screen displays a summary of your computer hardware information.

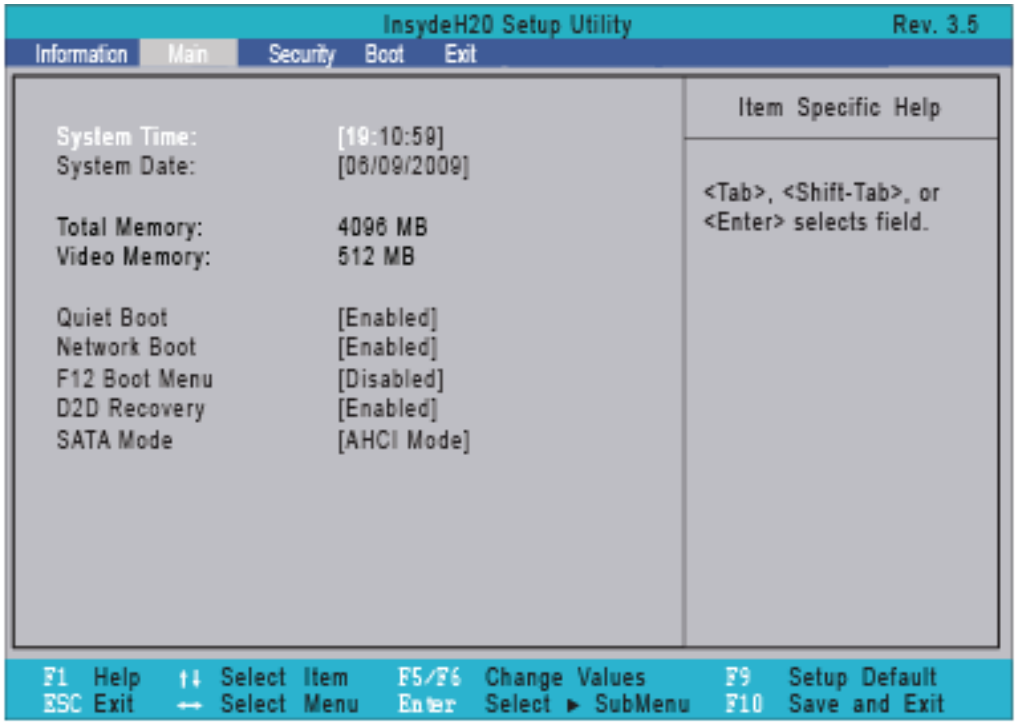


NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type and speed of the system.
CPU Speed	This field shows the speed of the CPU.
IDE0 Model Name	This field shows the model name of HDD installed in the system.
IDE0 Serial Number	This field displays the serial number of HDD installed in the system.
ATAPI Model Name	This field displays the model name of the installed ODD drive.
System BIOS Version	Displays system BIOS version.
VGA BIOS Version	This field displays the VGA firmware version of the system.
Serial Number	This field displays the serial number of this unit.
Asset Tag Number	This field displays the asset tag number of the system.
Product Name	This field shows product name of the system.
Manufacturer Name	This field displays the manufacturer of this system.
UUID	Universally Unique Identifier (UUID) is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE).

Main

The Main screen allows the user to set the system time and date as well as enable and disable boot option and recovery.



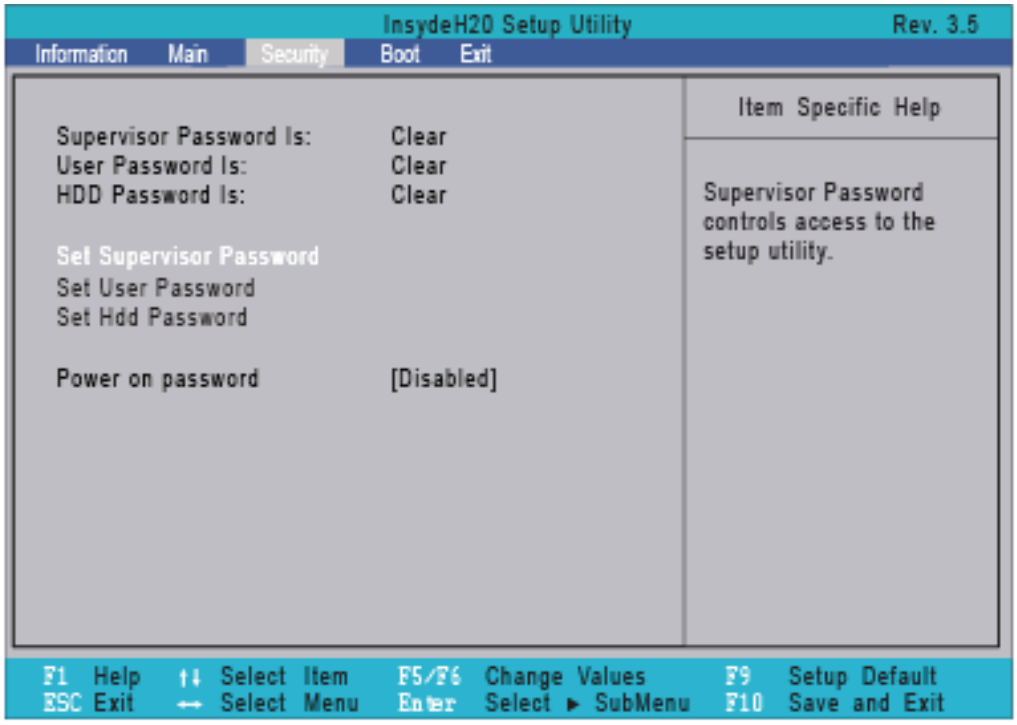
NOTE: The screen above is for your reference only. Actual values may differ.

The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format.	Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date.	Format MM/DD/YYYY (month/day/year)
Total Memory	This field reports the memory size of the system. Memory size is fixed to 4096MB.	N/A
Video Memory	Shows the video memory size. VGA Memory size=512 MB	N/A
Quiet Boot	This will hide POST messages while booting.	Option: **Enabled** or Disabled
Network Boot	Enables, disables the system boot from LAN (remote server).	Option: **Enabled** or Disabled
F12 Boot Menu	Enables, disables Boot Menu during POST.	Option: **Disabled** or Enabled
D2D Recovery	Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults.	Option: **Enabled** or Disabled
SATA Mode	Control the mode in which the SATA controller should operate.	Option: **AHCI mode** or IDE mode

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Option
Supervisor Password Is	Shows the setting of the Supervisor password	**Clear** or Set
User Password Is	Shows the setting of the user password.	**Clear** or Set
HDD Password Is	Shows the setting of the HDD password	Frozen, **Clear** or Set
Set Supervisor Password	Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters.	
Set User Password	Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters.	
Set IDE0 Hdd Password	Press Enter to set the HDD password. When set this protects the HDD from unauthorized access.	
Power on password	Defines whether a password is required or not while the events defined in this group happened. The sub-options all require the Supervisor password for changes and should be grayed out if the user password was used to enter setup.	**Disabled** or Enabled

NOTE: When you are prompted to enter a password, you have three tries before the system halts. Don't forget the password. If you forget the password, you may have to reset the computer.

Setting a Password

Follow these steps as you set the user or the supervisor password:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears:

2. Type a password in the “Enter New Password” field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the “Confirm New Password” field.

IMPORTANT: Be very careful when typing your password because the characters do not appear on the screen.

3. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
4. If desired, you can opt to enable the Password on boot parameter.
5. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears:

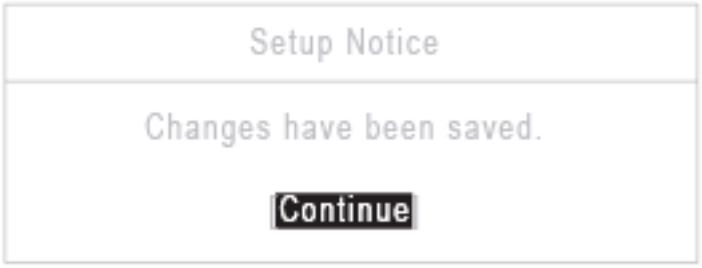
2. Type the current password in the Enter Current Password field and press **Enter**.
3. Press **Enter** twice **without** typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to “Clear”.

Changing a Password

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears.

2. Type the current password in the Enter Current Password field and press **Enter**.
3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
4. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
5. If desired, you can enable the Password on boot parameter.
6. When you are done, press **F10** to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.



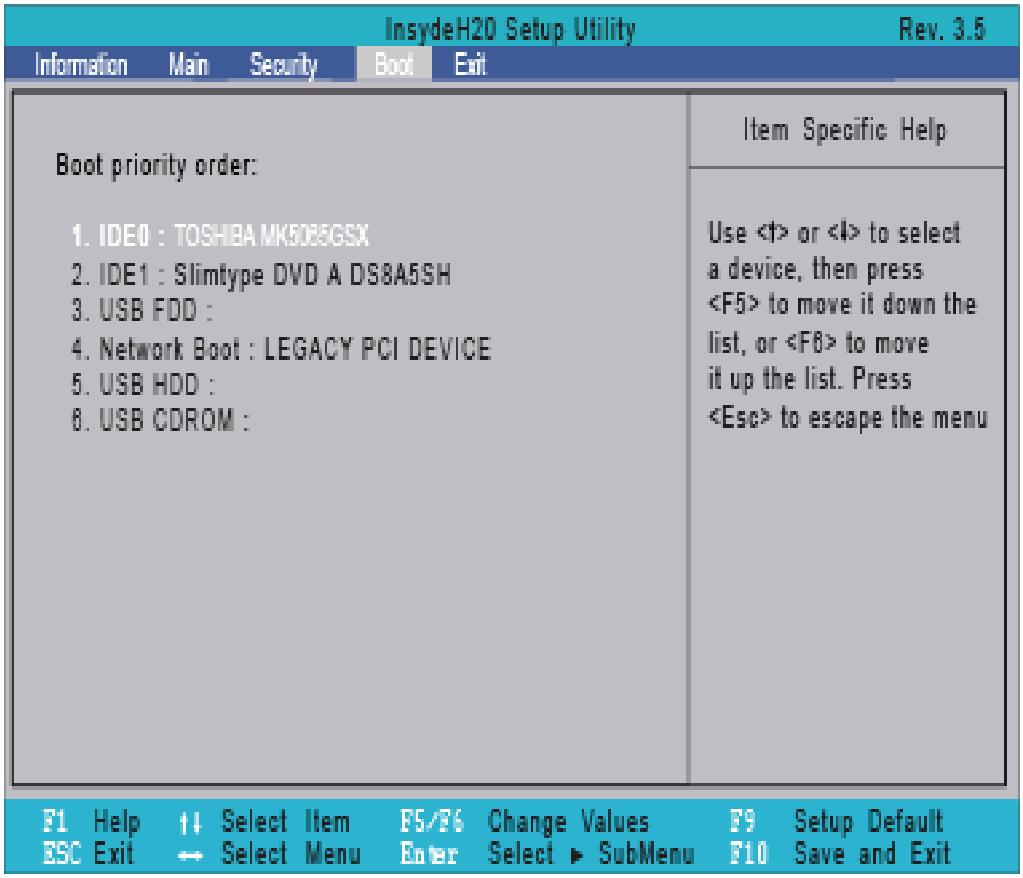
The password setting is complete after the user presses **Enter**.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

If the new password and confirm new password strings do not match, the screen displays the following message.

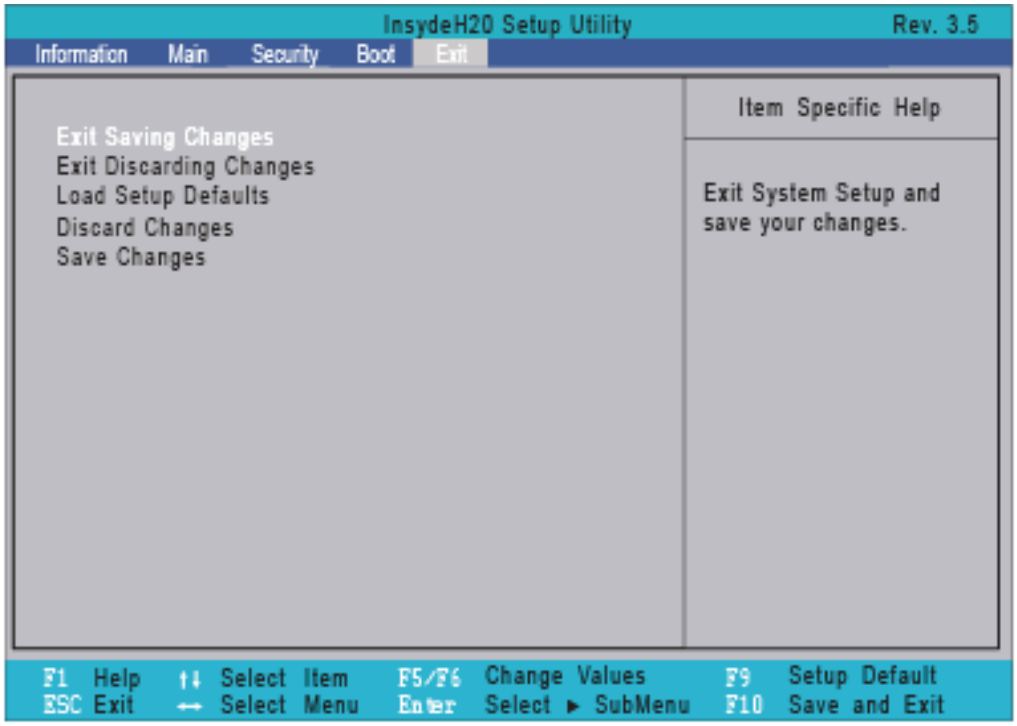
Boot

This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the USB diskette drives, the onboard hard disk drive and the DVD drive in the module bay.



Exit

The Exit screen allows you to save or discard any changes you made and quit the BIOS Utility.



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Default	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

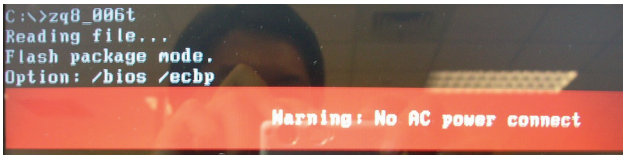
- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

DOS Flash Utility

Perform the following steps to use the DOS Flash Utility:

1. Create a DOS bootable USB HDD.
2. Copy ZRDv0.08.exe to the USB HDD and remove the HDD form the computer.
3. Reboot the computer and press F2 during the boot sequence to enter the setup menu.
4. Select the Boot menu item and move the entry “USB HDD” to the first position. See “Boot” on page 37.
5. Insert the USB HDD and reboot the computer.
6. At the command prompt, execute ZRDv0.08.exe to begin the flash process. The system will restart automatically when finished.
7. During the BIOS flash process the message “Please do not Remove AC Power Source” is displayed.

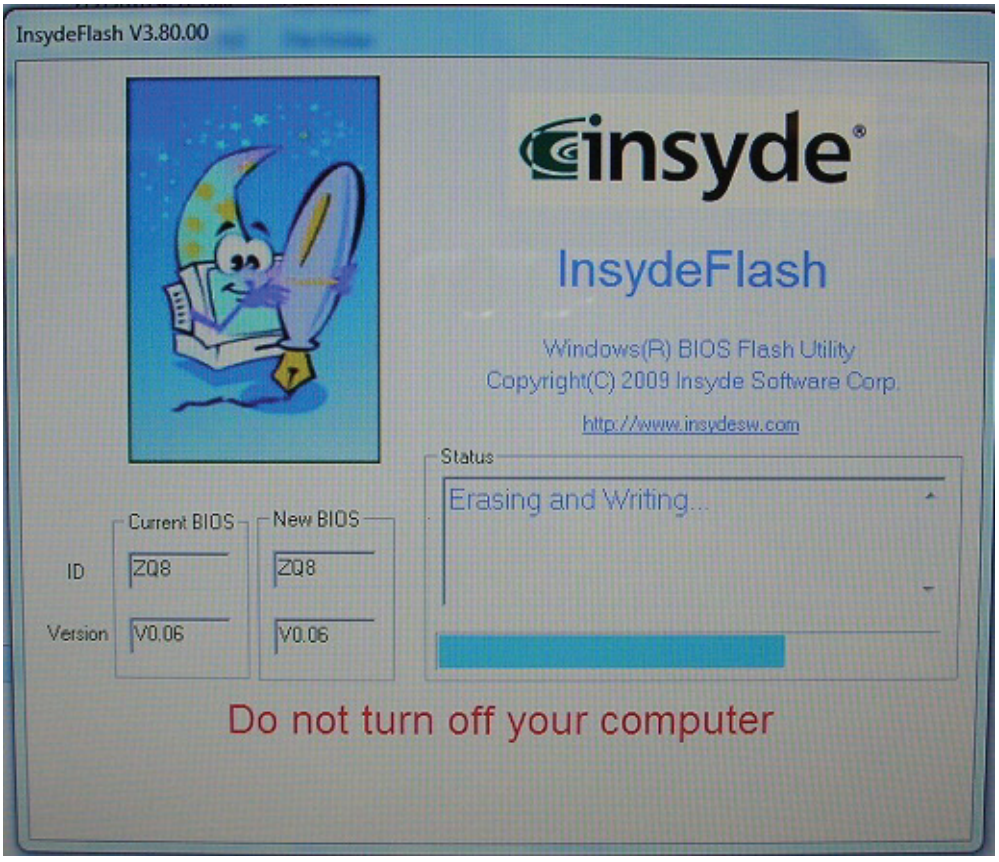
NOTE: If the AC power is not connected, a warning message will be displayed. Connect the AC power to continue.



WinFlash Utility

Perform the following steps to use the WinFlash Utility:

1. Double click the WinFlash executable (ZQ8_100W.exe)
2. Click **OK** to begin the update. A progress screen will display the current state of BIOS flash process.



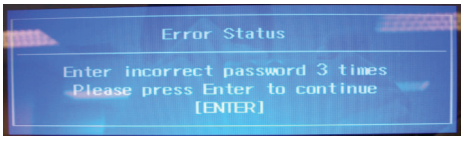
3. When the process has completed, close all applications and reboot the system.

Remove HDD/BIOS Password Utilities

This section provides you with details about removing HDD/BIOS password:

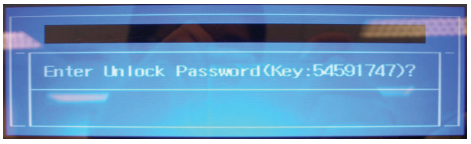
Remove HDD Password:

If you key in the wrong HDD password three times, an error is generated.

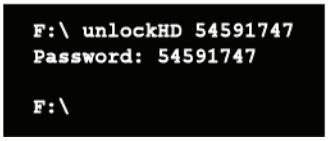


To reset the HDD password, perform the following steps:

1. After the error is displayed, press Enter to proceed to the next screen.
2. An error code is generated for use with the unlocking utility. Write down this code before proceeding. In this example, the code is 54591747.



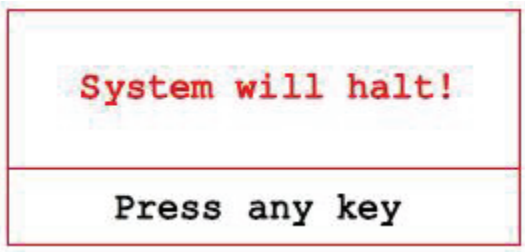
3. From within the DOS operating system, execute the UnlockHD.EXE file to create an unlock code. Use the format unlockHD [error code] with the code noted from the previous step.



4. 4. Write down the password code generated in the previous step. In this example the password to make note of is 54591747.

Removing BIOS Passwords:

If you key in the wrong Supervisor Password three times, the message **System will halt!** is displayed on the screen.



If the user is unable to obtain the correct password then it must be removed. There are two methods to do this.

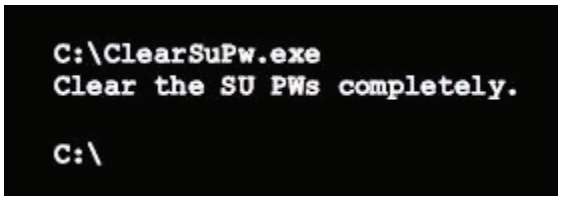
Method 1:

If the BIOS menu item “Power on Password” is set to **Enabled**, the Crisis utility must be used.

Method 2:

If the BIOS menu item “Power on Password” is set to **Disabled**.

1. Boot to DOS and execute **ClearSuPw.exe.**



2. When the message **Clear the SU Pws completely** is displayed, the supervisor password has been removed.

Miscellaneous Utilities

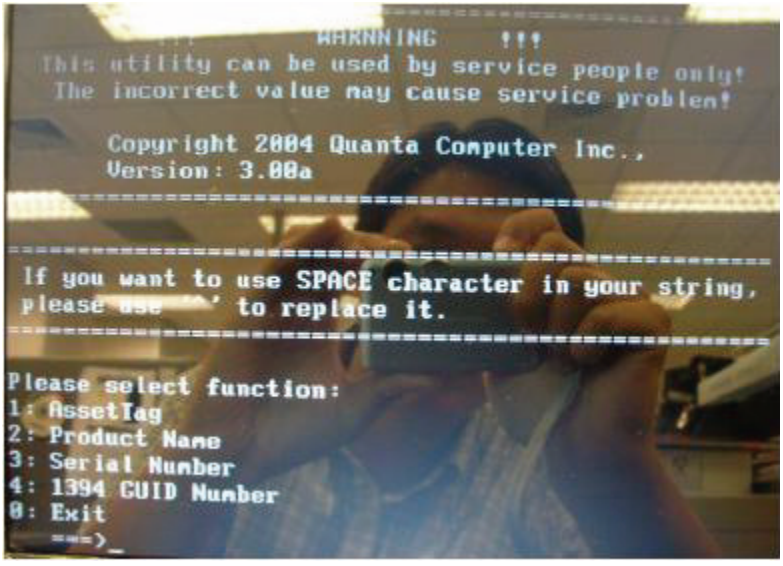
Using DMITools

The DMI (Desktop Management Interface) Tool copies BIOS information to eeprom to be used in the DMI pool for hardware management.

When the BIOS displays **Verifying DMI pool data**, it is checking the table correlates with the hardware before sending the information to the operating system (Windows, etc.).

To update the DMI Pool, perform the following steps:

1. Start a DOS session.
2. At the command prompt, execute **qdmi30a.exe**. The following screen shows how to use the dmitools software:



Using the LAN MAC Utility

Perform the following steps to write MAC information to eeprom:

1. Create a DOS bootable USB HDD.
2. Copy the contents of the LAN_eep folder to the HDD and remove the HDD form the computer.
3. Reboot the computer and press F2 during the boot sequence to enter the setup menu.
4. Select the Boot menu item and move the entry “USB HDD” to the first position. See “Boot” on page 37.
5. Insert the USB HDD and reboot the computer.
6. At the command prompt, change to the LAN_eep folder.
7. Execute **MAC.bat xxxxxx**, where “xxxxxx” is a 6 character MAC address, to write the MAC information to eeprom.

Machine Disassembly and Replacement

IMPORTANT: The outside housing and color may vary from the mass produced model.

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat screwdriver
- Philips screwdriver
- Plastic flat screwdriver
- Plastic tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

Pre-disassembly Instructions

Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.

3. Place the system on a flat, stable surface.

Disassembly Process

The disassembly process is divided into the following stages:

- External module disassembly
- Main unit disassembly
- LCD module disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components. For example, if you want to remove the mainboard, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

Main Screw List

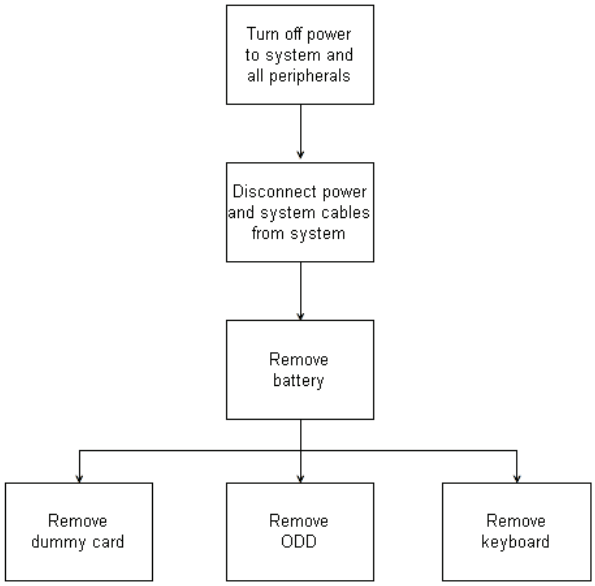
Screw	Quantity	Part Number
M2.5*6.0-I	21	86.A08V7.004
M2.0*3.0-I	20	86.ARE07.002
M3*0.5+3.5I	2	86.N1407.007
M2.0*4.0-I	8	86.R6Z07.002
M2.5*4.0-I	2	86.T23V7.009

External Modules Disassembly Process

IMPORTANT: The outside housing and color may vary from the mass produced model.

External Modules Disassembly Flowchart

The flowchart below gives you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the mainboard, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

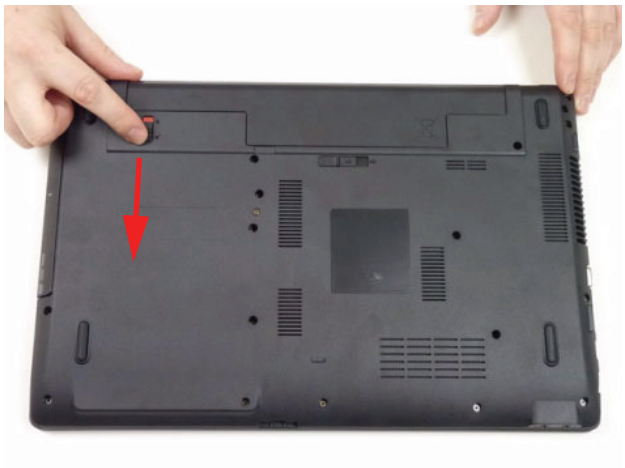


Screw List

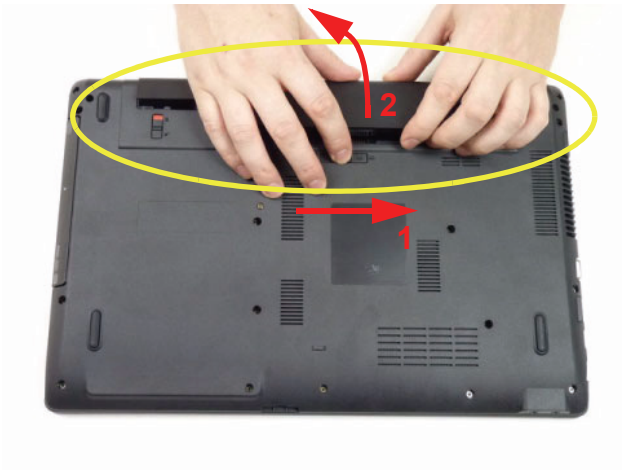
Step	Screw	Quantity	Part No.
ODD Module Disassembly	M2.5*6.0-I	1	86.A08V7.004
ODD Bracket Disassembly	M2.0*3.0-I	2	86.ARE07.002

Removing the Battery Pack

1. Turn the computer over. Slide the battery lock in the direction shown.



2. Slide and hold the battery release latch to the release position (1), then lift out the battery pack from the main unit (2).



NOTE: The battery has been highlighted with a yellow oval as shown in the above image. Please detach the battery and follow local regulations for disposal.

Removing the SD Dummy Card

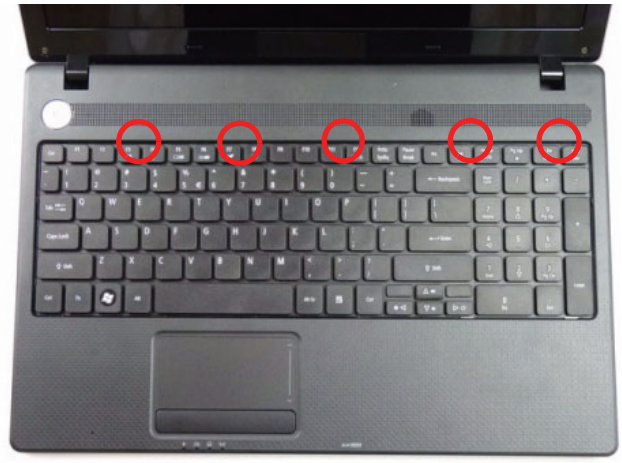
1. See “Removing the Battery Pack” on page 47.
2. Push the SD dummy card all the way in to eject it.

3. Pull it out from the slot.

Removing the Keyboard

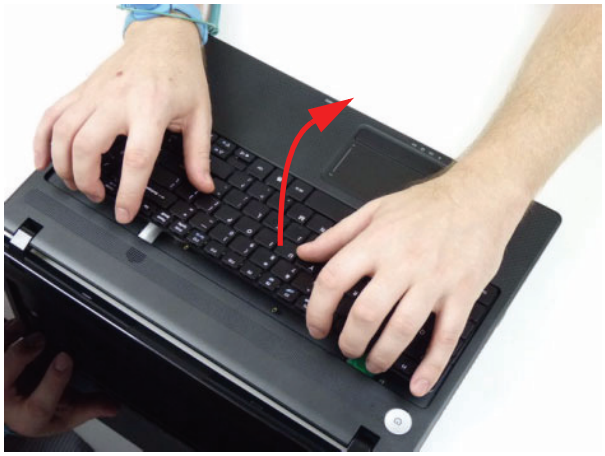
NOTE: NOTE: The model displayed in this service guide may differ in color to the one in your package.

1. See “Removing the Battery Pack” on page 47.
2. Turn the computer over and fully open the lid. There are five (5) securing clips that must be released in order to remove the keyboard.

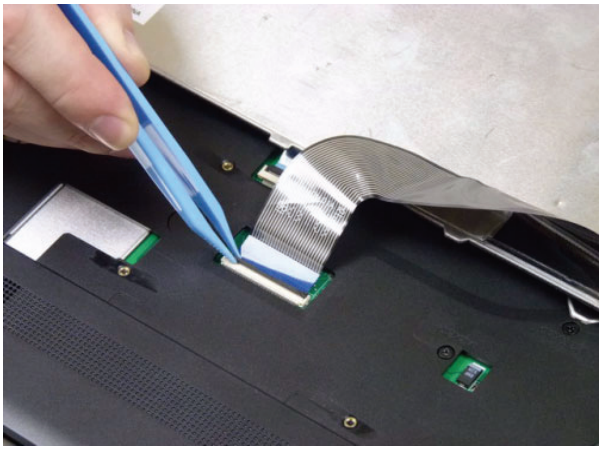
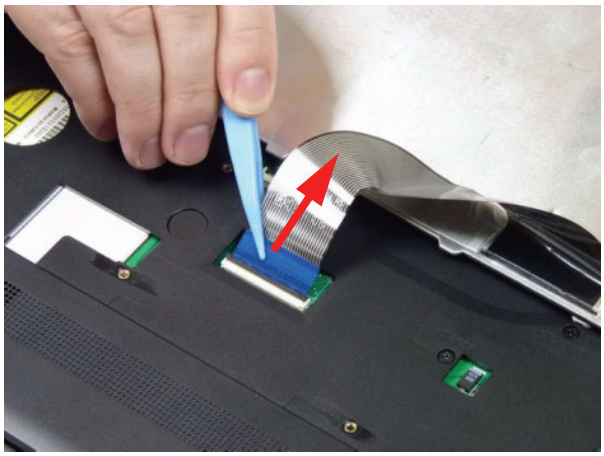


3. Release each clip, working from one side to the other.

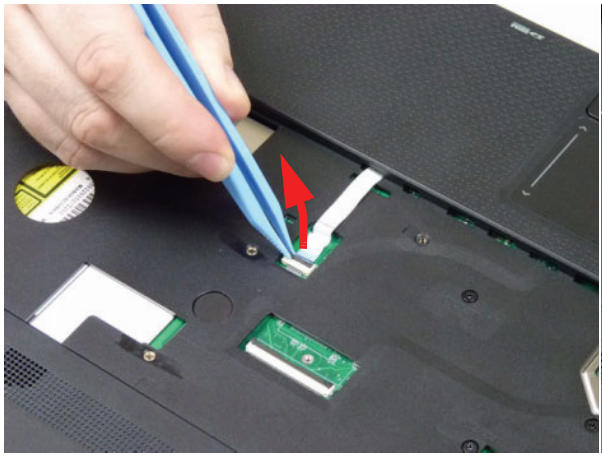
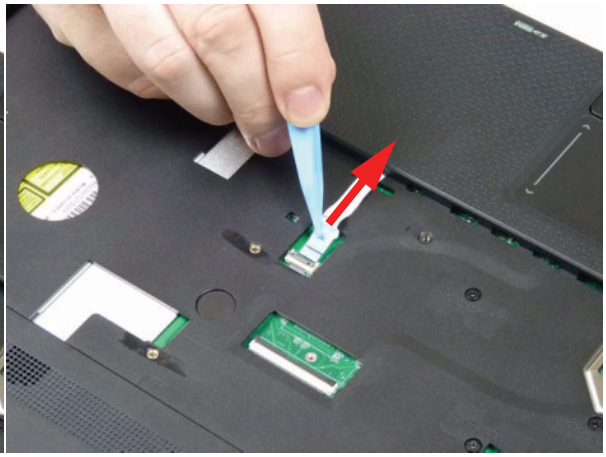
4. Using both hands, gently pry up the keyboard as shown and turn it over onto the palm rest.



5. Unlock the keyboard FPC and disconnect the cable as shown. Lift the keyboard clear of the chassis.

6. Unlock and disconnect the touchpad FPC from the mainboard:

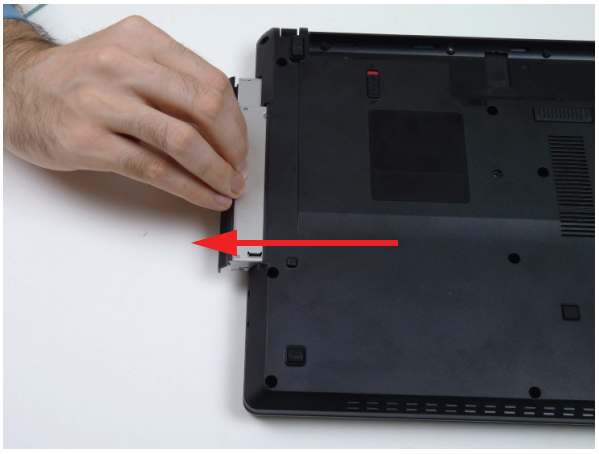



Removing the ODD Module

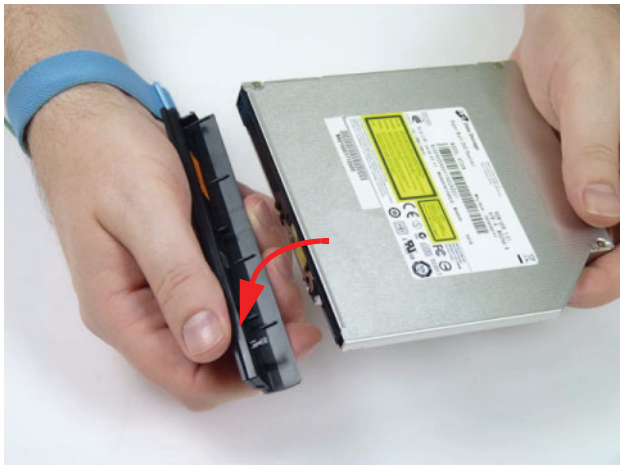
1. See “Removing the Battery Pack” on page 47.
2. Remove the one (1) screw securing the ODD module in place.

Step	Size	Quantity	Screw Type
ODD Bracket Disassembly	M2.5*6.0-I	1	

3. Grasp the ODD by the bezel and slide it out of the chassis.



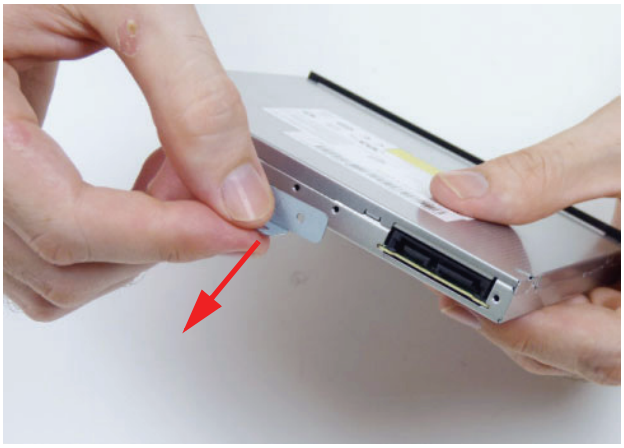
4. Remove the ODD bezel by rotating the top edge downward.



5. Remove the two screws securing the ODD bracket.

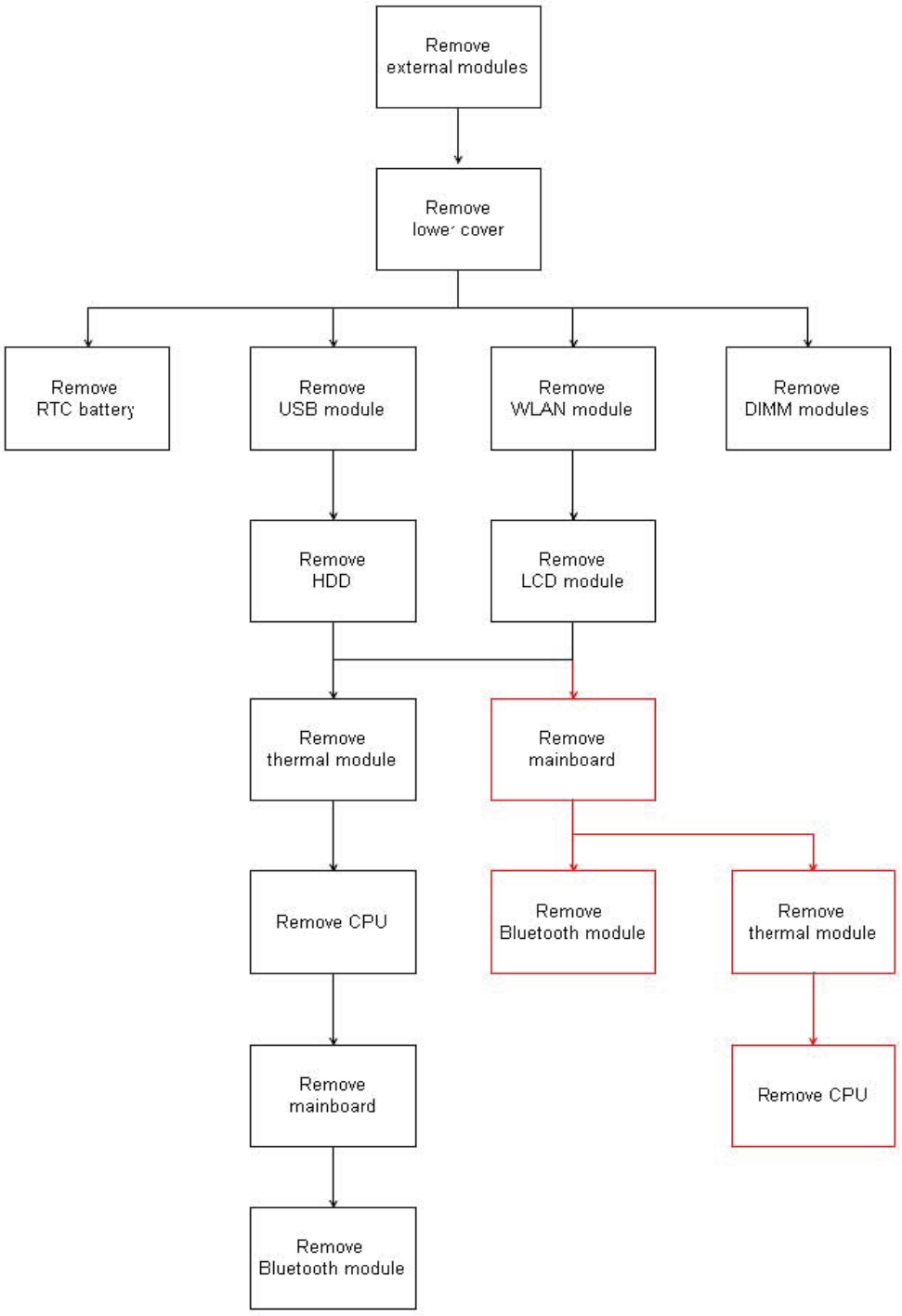
Step	Size	Quantity	Screw Type
ODD Bracket Disassembly	M2.0*3.0-I	2	

6. Remove the bracket from the ODD.



Main Unit Disassembly Process

Main Unit Disassembly Flowchart



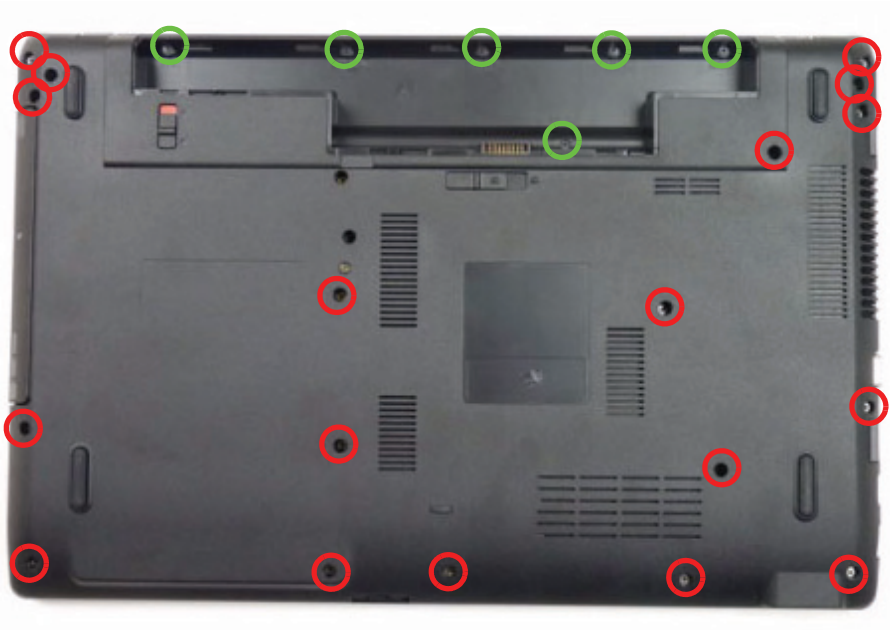
NOTE: Use the process highlighted in red to access the Bluetooth module

Screw List

Step	Screw	Quantity	Part No.
Lower Cover	M2.5*6.0-I	18	86.A08V7.004
Battery Bay	M2.0*3.0-I	6	86.ARE07.002
WLAN Module Disassembly	M2.0*3.0-I	1	86.ARE07.002
USB Module Disassembly	M2.0*4.0-I.0	1	86.ARE07.002
HDD Carrier Disassembly	M3*0.5+3.5I	2	86.N1407.007
LCD Module Disassembly	M2.5*6.0-I	4	86.A08V7.004
Thermal Module Disassembly	M2.0*4.0-I.0	1	86.R6Z07.002
Mainboard Disassembly	M2.0*4.0-I.0	1	86.R6Z07.002
Bluetooth Module Disassembly	M2.0*3.0-I	1	86.ARE07.002

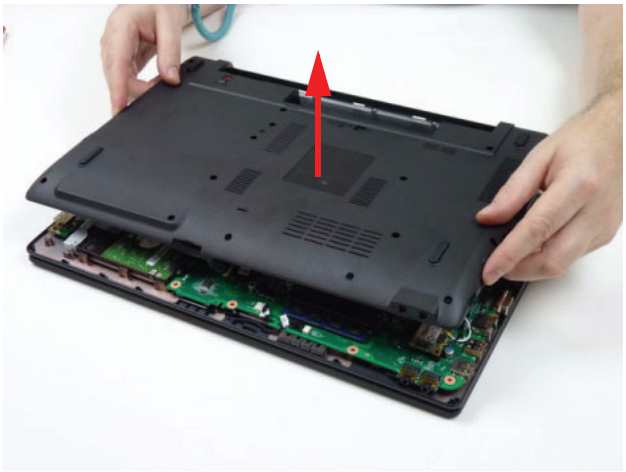
Removing the Lower Cover

1. See “External Modules Disassembly Process” on page 46.
2. Remove the twenty four (24) securing screws from the lower cover.



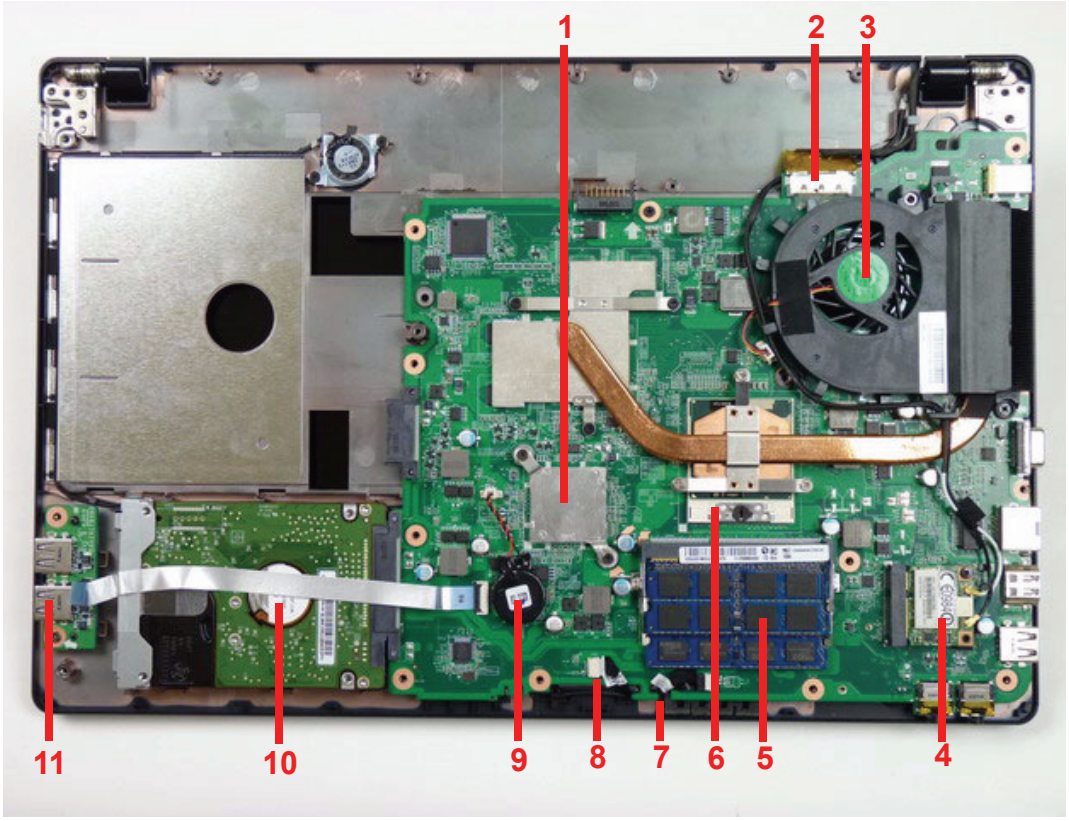
Step	Size	Quantity	Screw Type
Lower Cover (red callout)	M2.5*6.0-I	18	
Battery Bay (green callout)	M2.0*3.0-I	6	

3. Grasp the ODD bay with the right hand and the right edge of the lower cover with the right hand. Lift the lower cover from the device.



Disassembly Overview

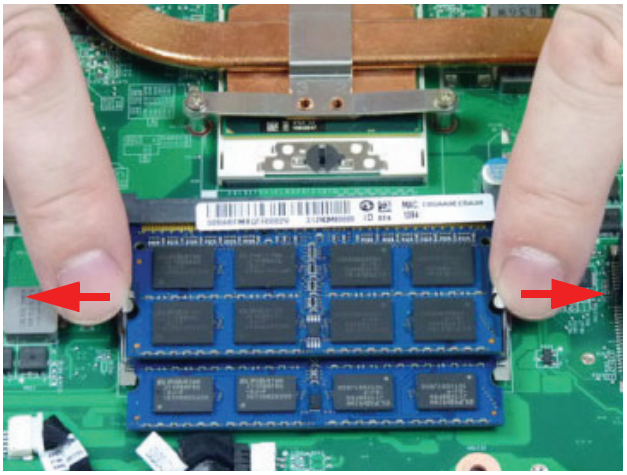
1. See “Removing the Lower Cover” on page 56.
2. This section is an overview of the major components of the main unit.



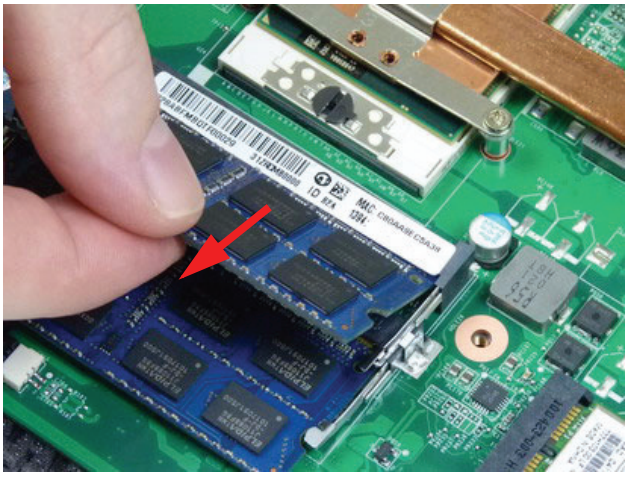
Item	Description	Item	Description
1	VGA heatsink	7	Speaker cable
2	LVDS cable	8	Bluetooth cable
3	Thermal module	9	RTC battery
4	WLAN module	10	HDD
5	DIMM module(s)	11	USB module
6	CPU		

Removing the DIMM Modules

1. See “Removing the Lower Cover” on page 54.
2. Push out the release latches on both sides of the DIMM socket to release the DIMM module.



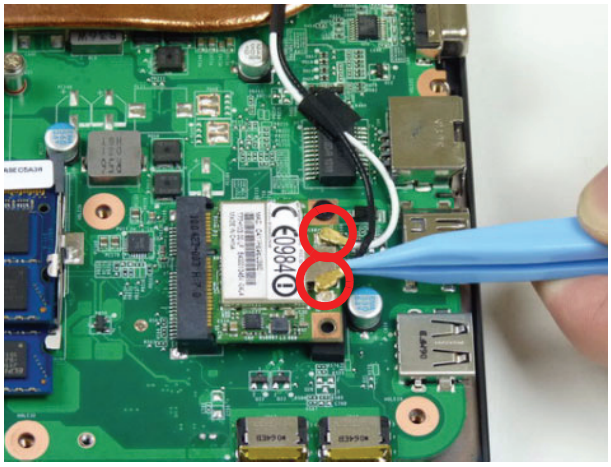
3. Remove the DIMM module.



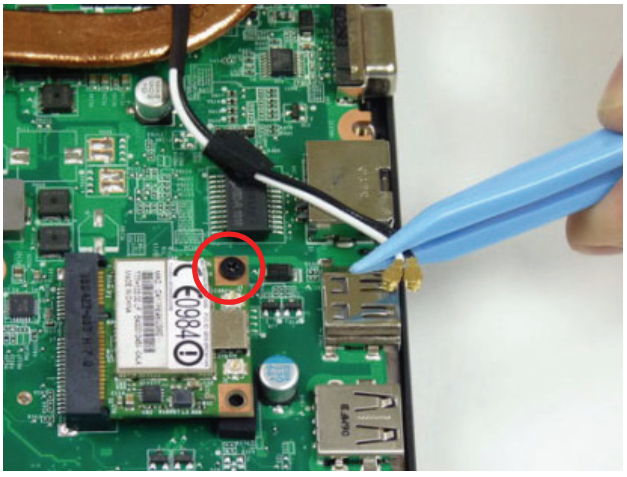
4. Repeat steps for the second DIMM module if present.

Removing the WLAN Module

1. See “Disassembly Overview” on page 58.
2. Disconnect the two (2) cables from the WLAN module.

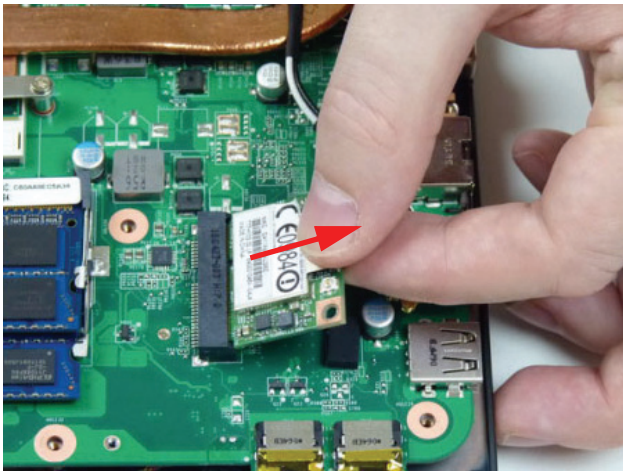


3. Remove the one (1) screw.



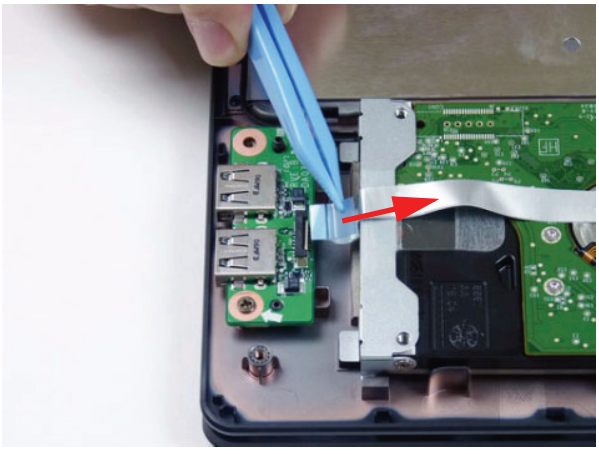
Step	Size	Quantity	Screw Type
WLAN Module Disassembly	M2.0*3.0-I	1	

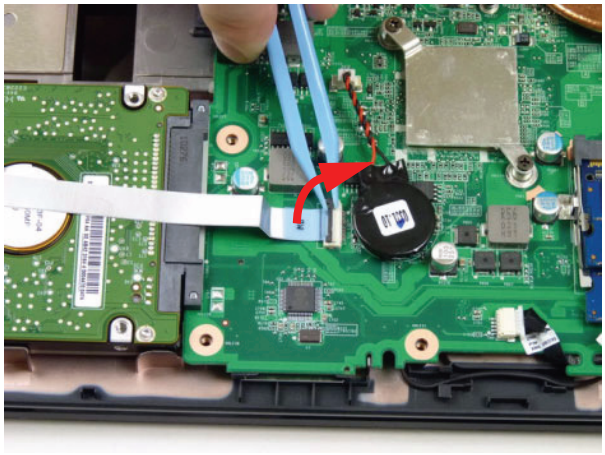
4. Detach and remove the WLAN module from the WLAN socket.

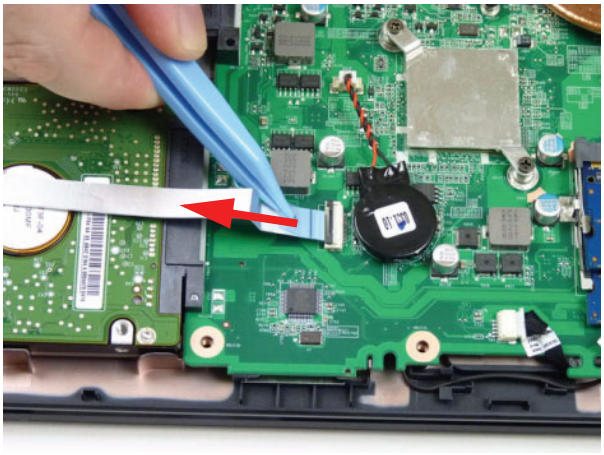


Removing the USB Board

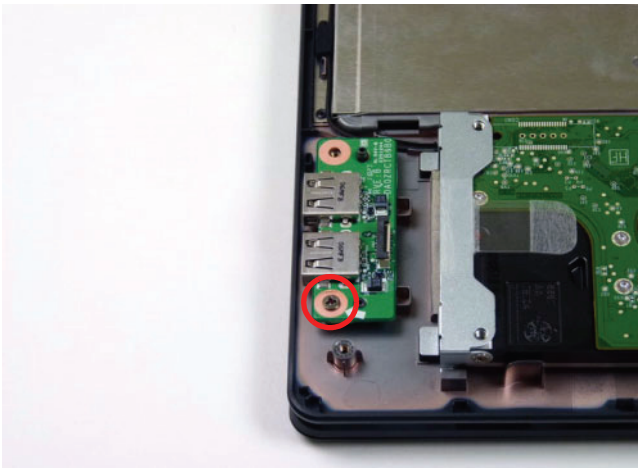
1. See “Disassembly Overview” on page 58.
2. Unlock and disconnect the USB FFC from the USB board. Repeat for the mainboard connector.





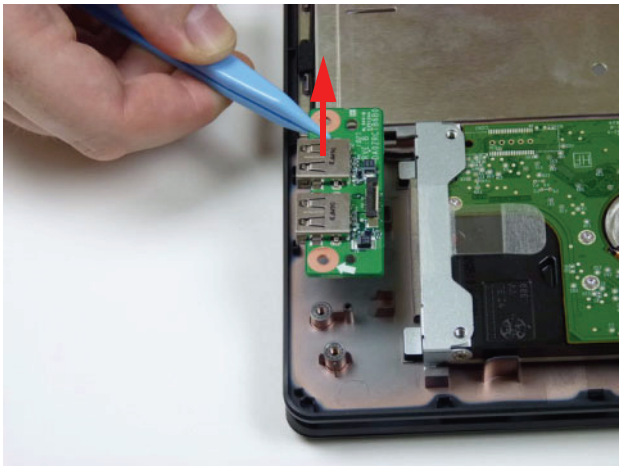


3. Remove the one (1) screw from the USB board.



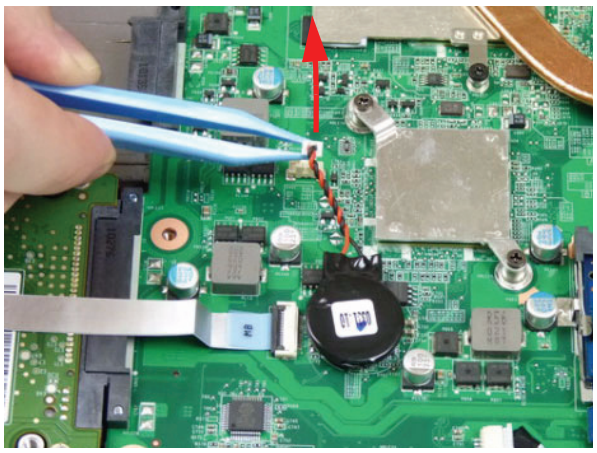
Step	Size	Quantity	Screw Type
USB Board Disassembly	M2.0*4.0-I	1	

4. Lift the USB board upward and away from the chassis.

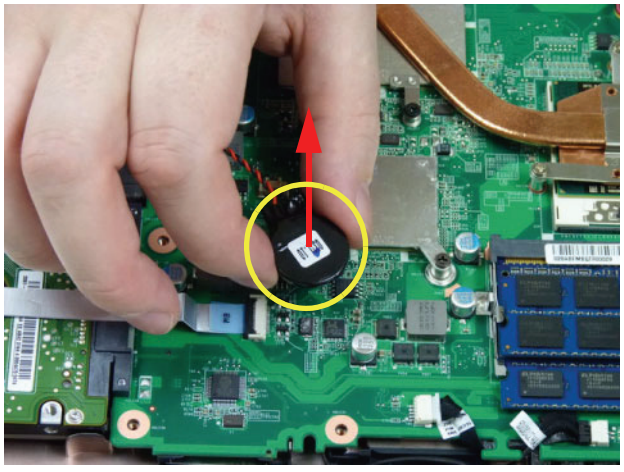


Removing the RTC Battery

1. See “Disassembly Overview” on page 58.
2. Disconnect the RTC battery cable from the mainboard.



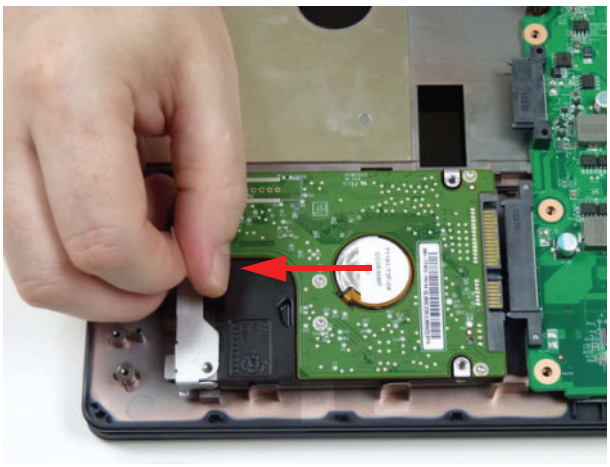
3. Lift the RTC battery away from the mainboard.



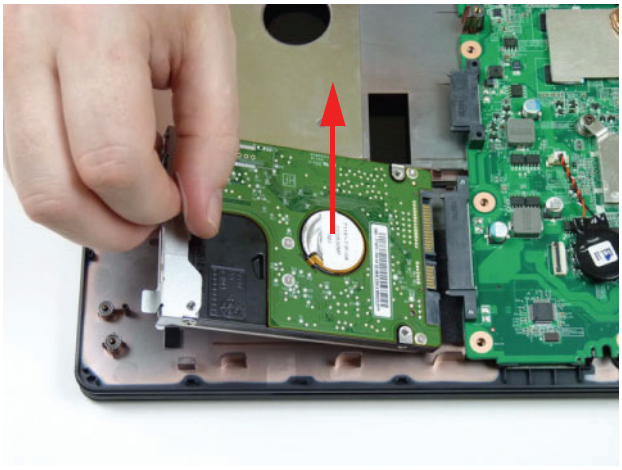
NOTE: The RTC battery has been highlighted with a yellow callout in the previous image. Please detach the RTC battery and follow local regulations for disposal.

Removing the HDD Module

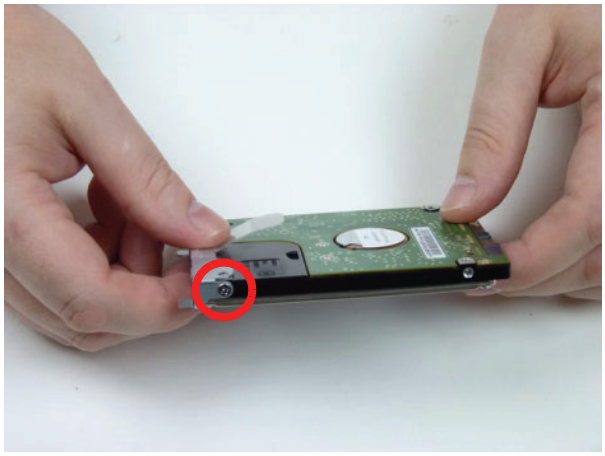
1. See “Disassembly Overview” on page 58.
2. Using the pull-tab, slide the HDD module in the direction of the arrow to disconnect the interface.

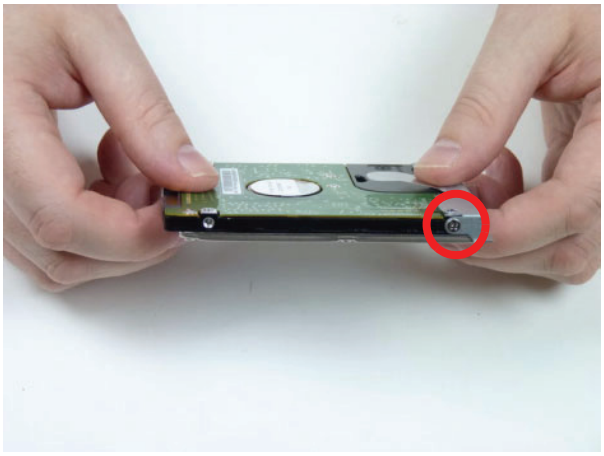


3. Remove the HDD from the bay.



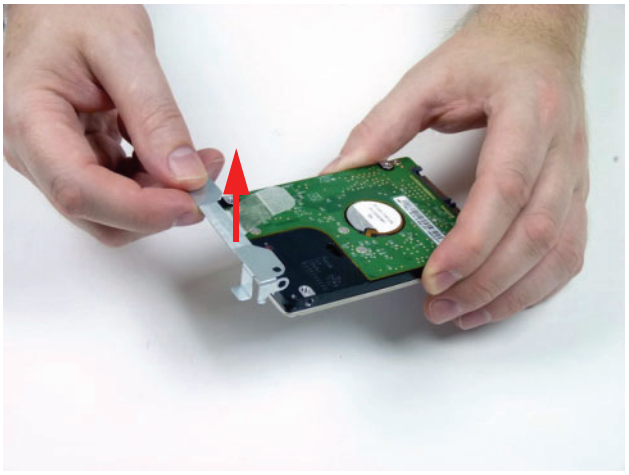
4. Remove the two (2) screws from the bracket.





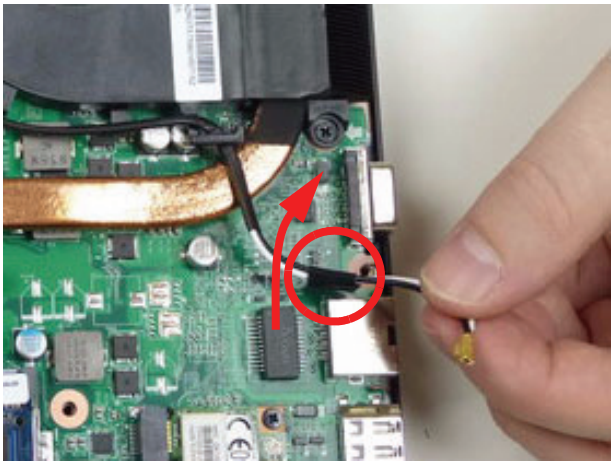
Step	Size	Quantity	Screw Type
HDD Carrier Disassembly	M3*0.5+3.5I	2	

5. Remove the bracket from the HDD.

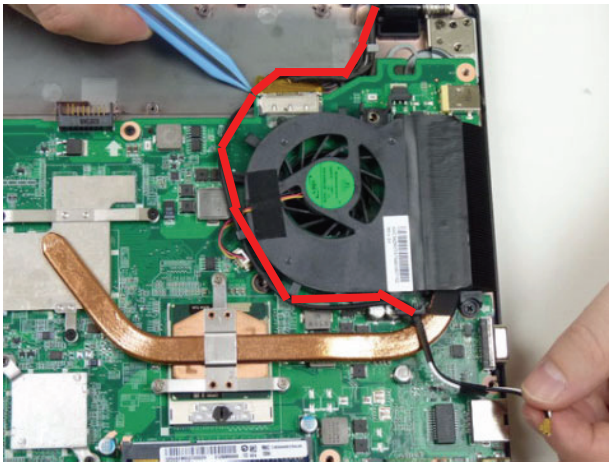


Removing the LCD Module

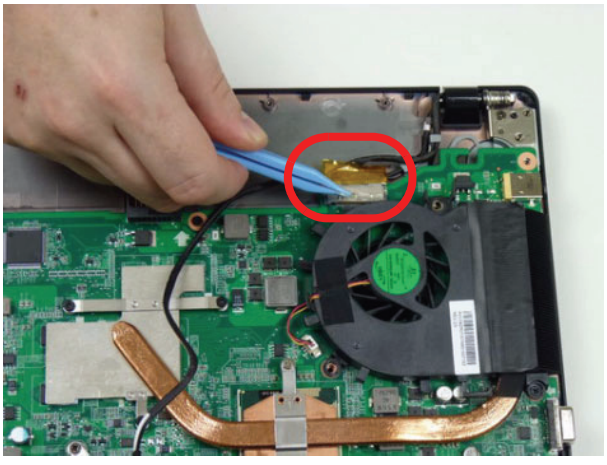
1. See “Disassembly Overview” on page 58.
2. Remove the tape adhering the antenna cables to the mainboard.

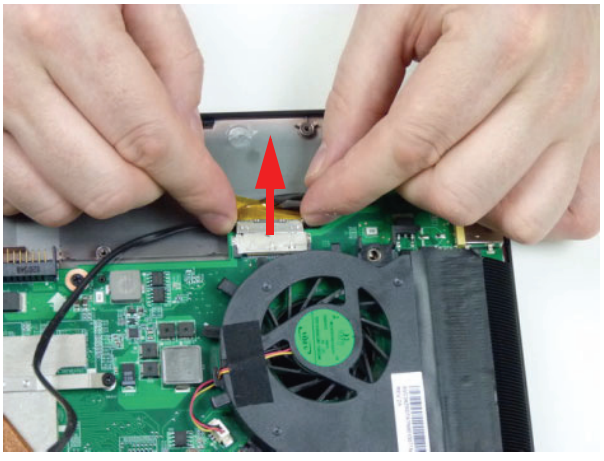


3. Remove the WLAN antennas from the cable guides.

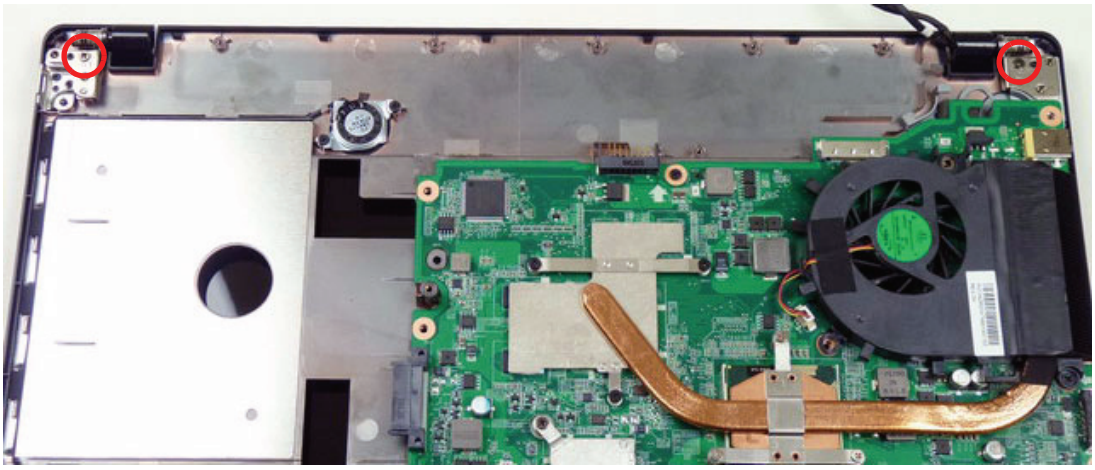


4. Unlock and disconnect the LVDS cable.



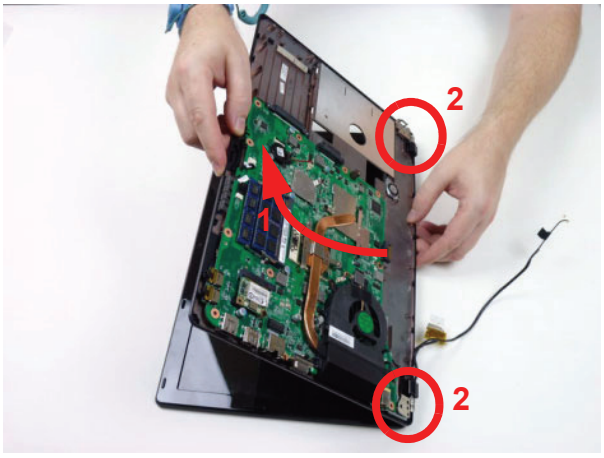


5. Remove the two (2) screws from the left and right hinges.

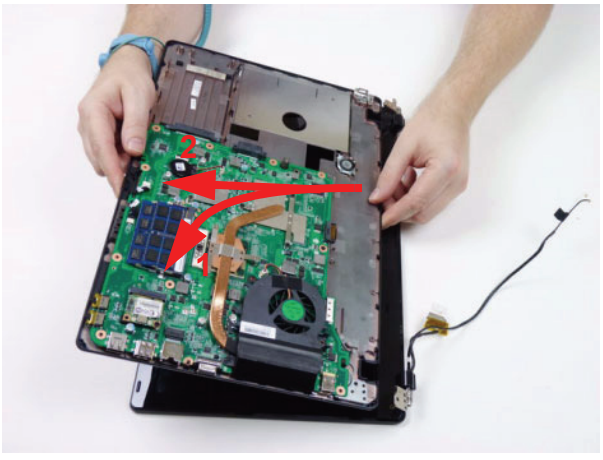


Step	Size	Quantity	Screw Type
LCD Module Disassembly	M2.5*6.0-I	2	

6. Tilt the upper cover upwards (1) and push down near the hinges to separate it from the LCD module (2).

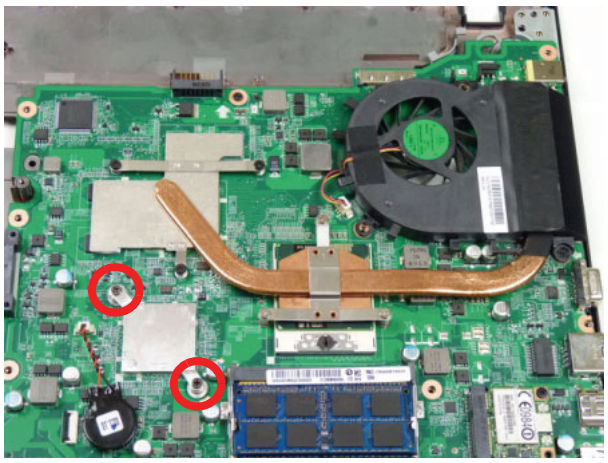


7. Lower the upper cover until the it is clear of the LCD module hinges (1) and then pull away to remove it (2).

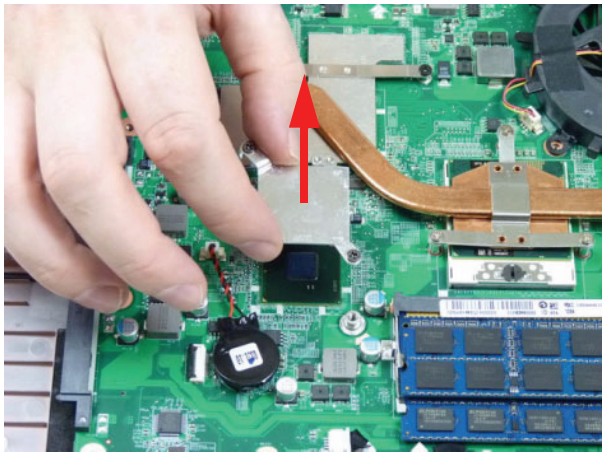


Removing the Thermal Module

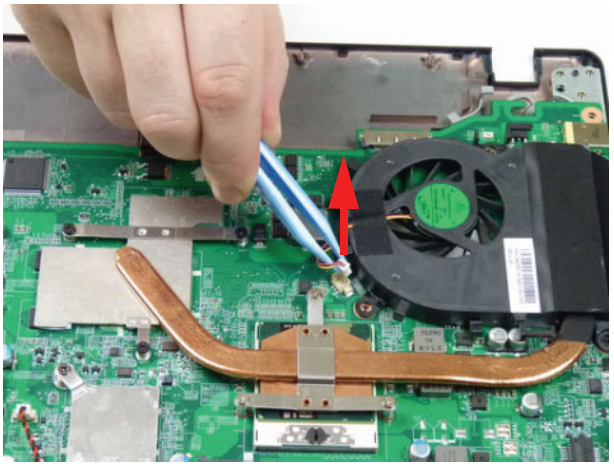
1. See “Disassembly Overview” on page 58.
2. Loosen the two (2) captive screws connecting the VGA heat sink to the mainboard.



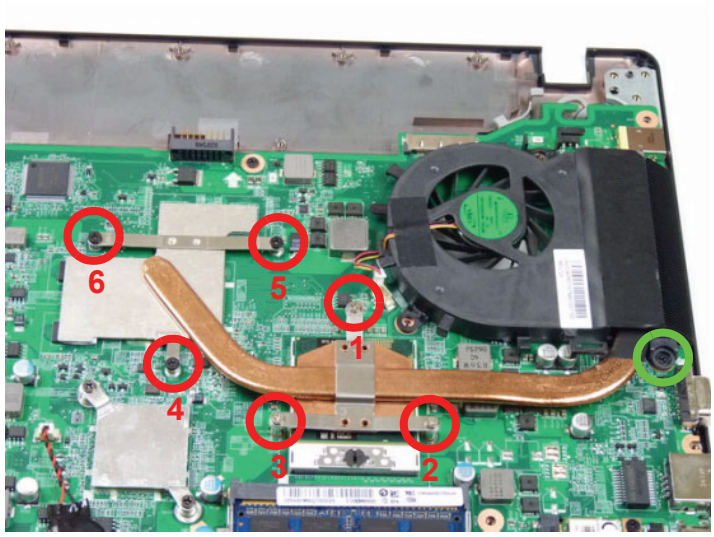
3. Lift the VGA heat sink using the thumb and forefinger to remove it from the mainboard.



4. Disconnect the fan cable as shown.

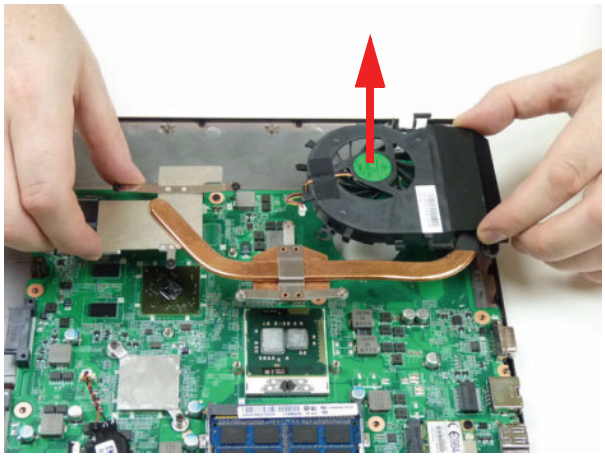


5. Loosen the six (6) captive screws (in numerical order from 1 to 6) and remove the one (1) screw from the fan module.



Step	Size	Quantity	Screw Type
Thermal Module Disassembly	M2.0*4.0-I (green callout)	1	

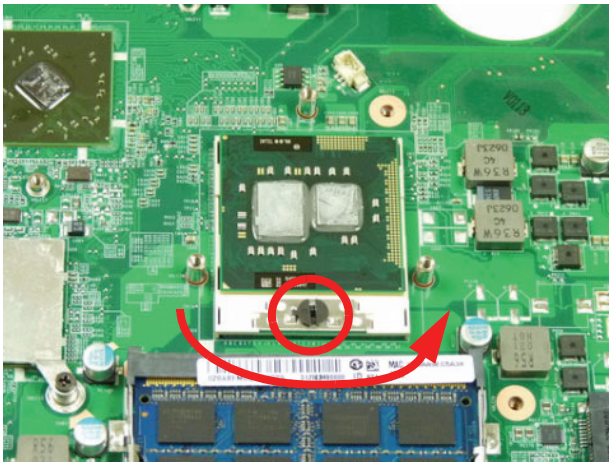
6. Carefully lift up the thermal module assembly and remove it from the mainboard.



IMPORTANT: Place the thermal module on a clean, dry surface when it is not installed.

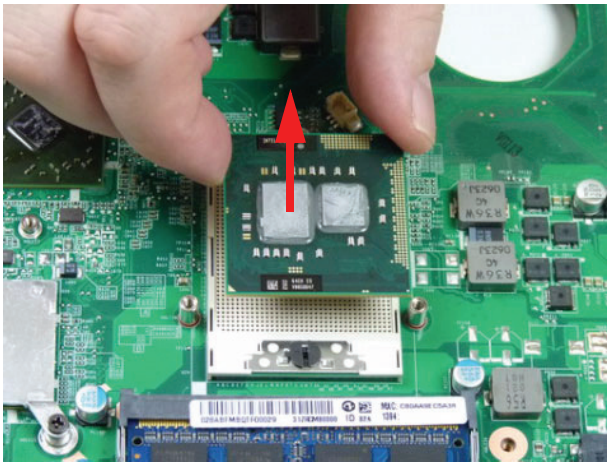
Removing the CPU

1. See “Removing the Thermal Module” on page 68.
2. Using a slotted screw driver, rotate the CPU locking screw 180° counter-clockwise as shown.



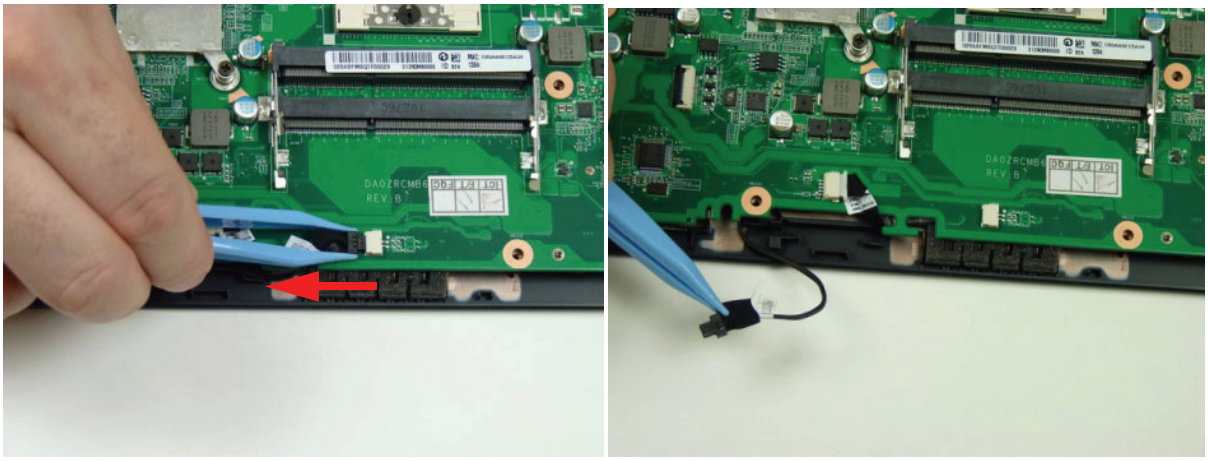
3. Carefully lift the CPU clear of the socket.

   IMPORTANT: Place the CPU on a clean, dry surface when it is not installed.

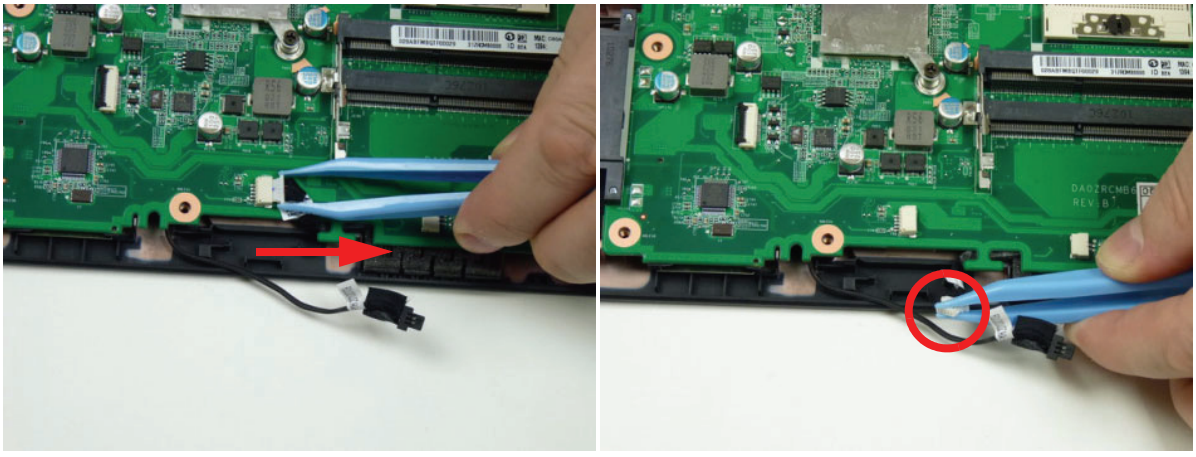


Removing the Mainboard

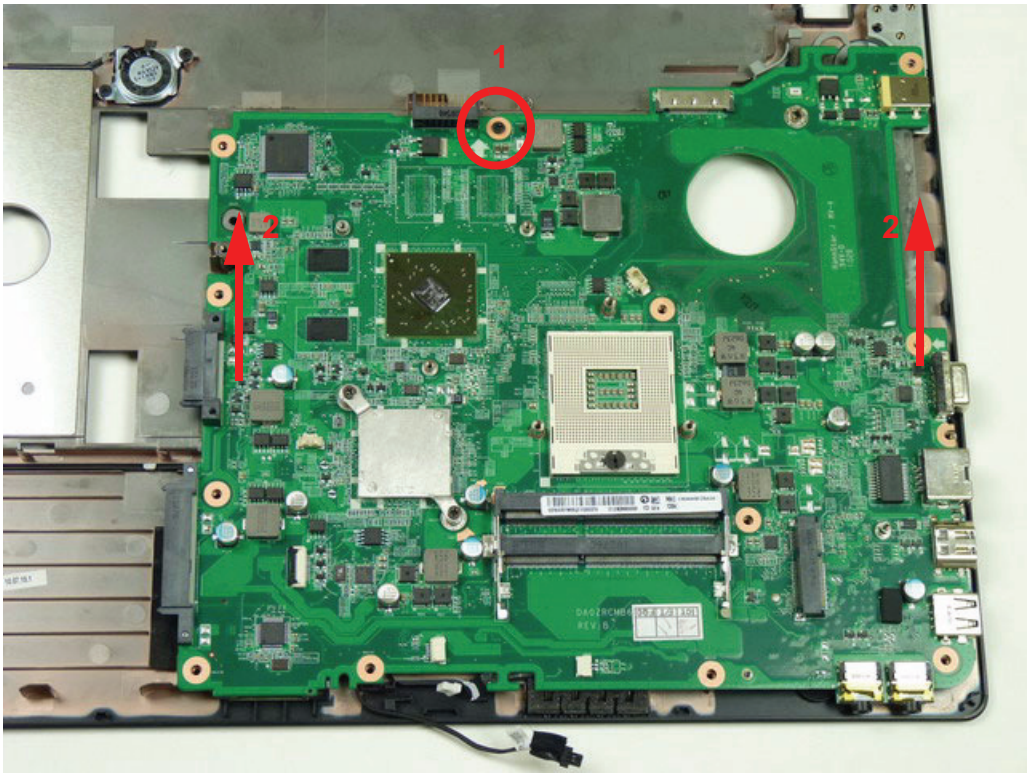
1. See “Removing the CPU” on page 70.
2. Disconnect the speaker cable from the mainboard connector and move it away from the mainboard.



3. Disconnect the Bluetooth cable from the mainboard connector and move it away from the mainboard.



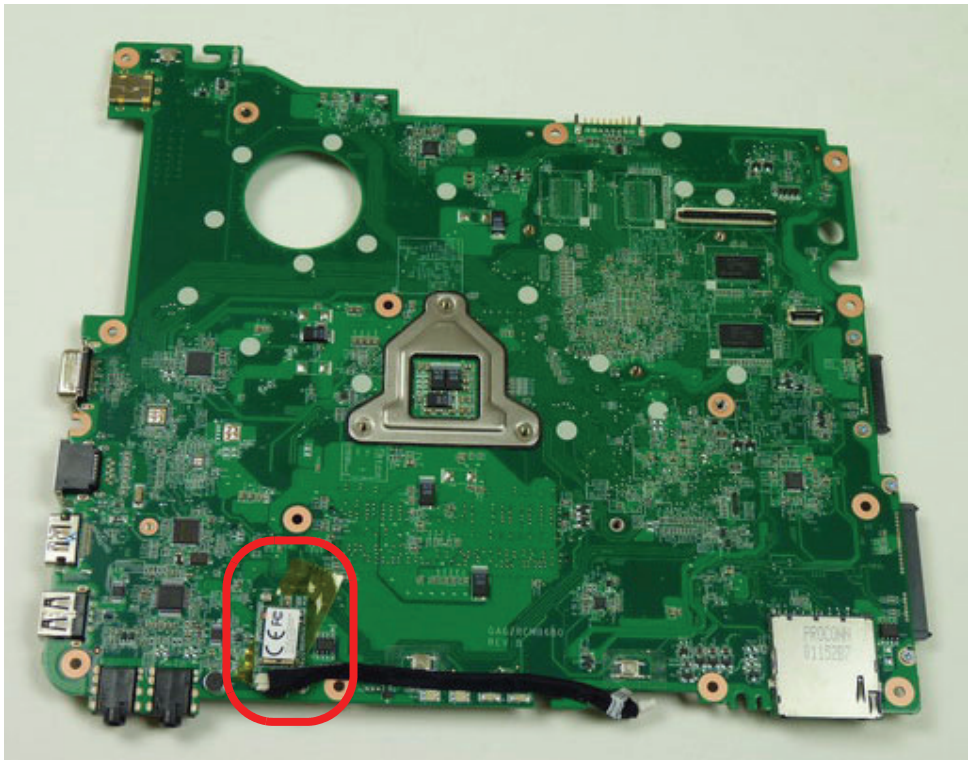
4. Remove the one (1) securing screw from the mainboard (1) and lift the mainboard away from the lower cover (2).



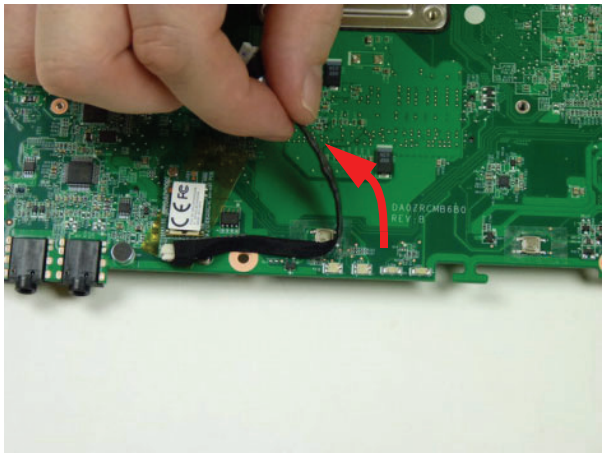
Step	Size	Quantity	Screw Type
Mainboard Disassembly	M2.0*4.0-I	1	

Removing the Bluetooth Module

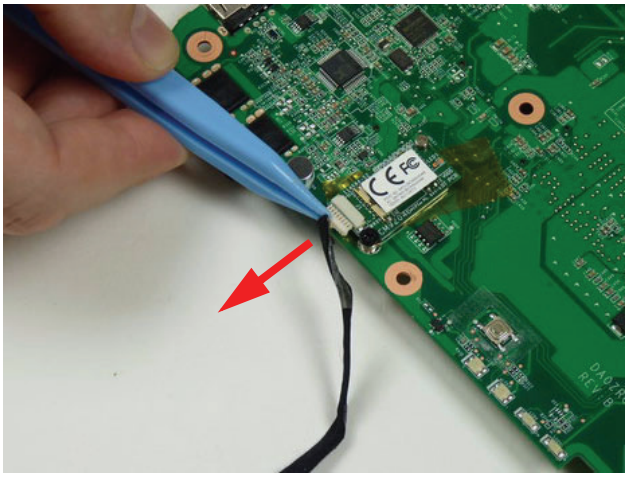
1. See “Removing the Mainboard” on page 71.
2. Turn the mainboard over and locate the Bluetooth module.



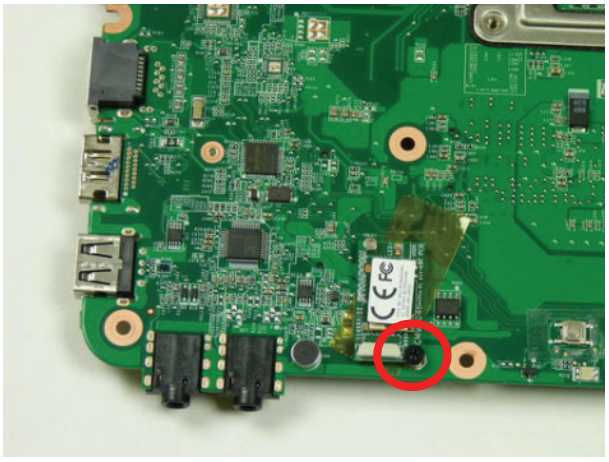
3. Separate the Bluetooth cable from the adhesive strip on the mainboard.



4. Disconnect the Bluetooth cable from the Bluetooth module.

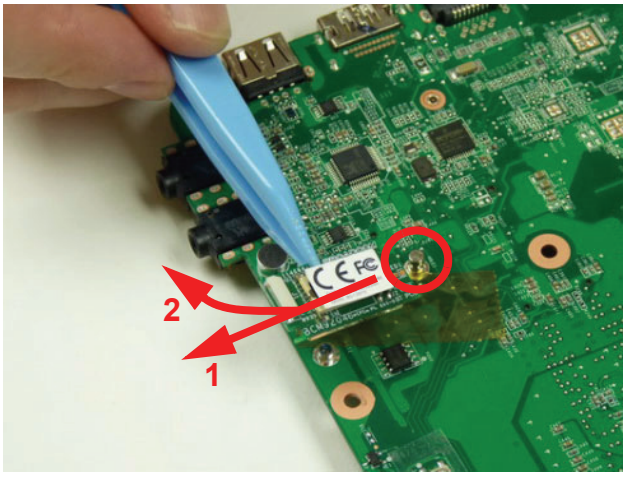


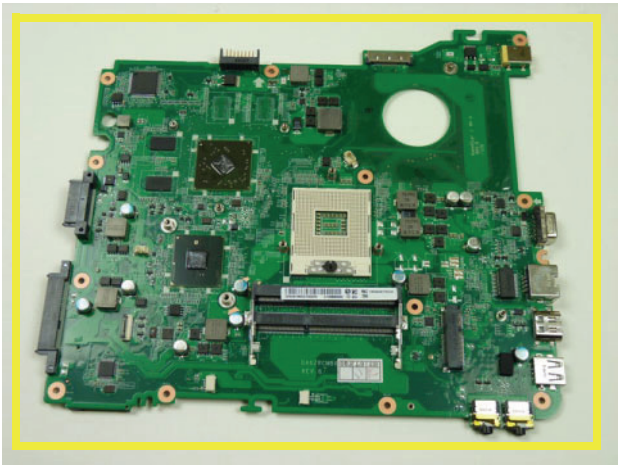
5. Remove the one (1) screw securing the Bluetooth module to the mainboard.



Step	Size	Quantity	Screw Type
Bluetooth Module Disassembly	M2.0*3.0-I	1	

6. Pull the Bluetooth module away from the metal post (1) and then lift up to remove it from the mainboard (2).

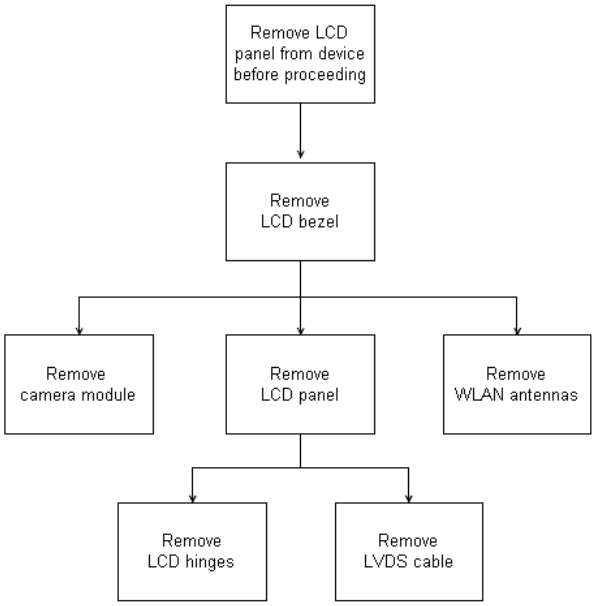




NOTE: Circuit boards >10 cm² have been highlighted with a yellow rectangle as shown in the previous image. Please detach the Circuit board and follow local regulations for disposal.

LCD Module Disassembly Process

LCD Module Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
LCD Bezel Disassembly	M2.5*4.0-I	2	86.T23V7.009
LCD Panel Disassembly	M2.0*4.0-I	6	86.R6Z07.002
LCD Hinge Disassembly	M2.0*3.0-I	4	86.ARE07.002

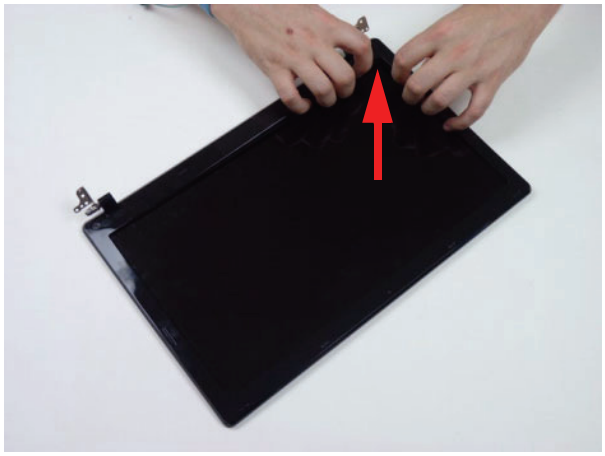
Removing the LCD Bezel

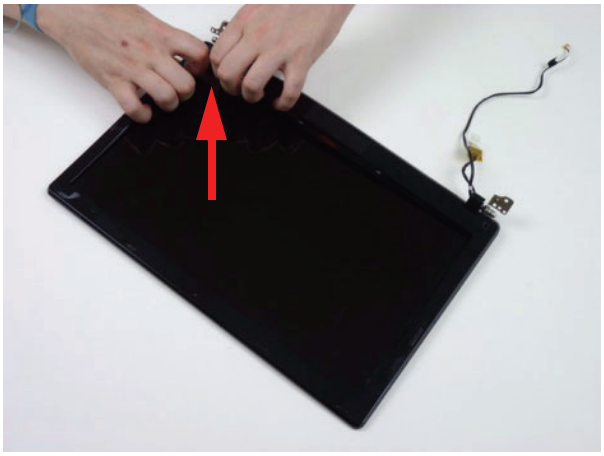
1. See “Removing the LCD Module” on page 66.
2. Remove the two (2) bezel screws from the LCD modulele.

Step	Size	Quantity	Screw Type
LCD Bezel Disassembly	M2.5*4.0-I	2	

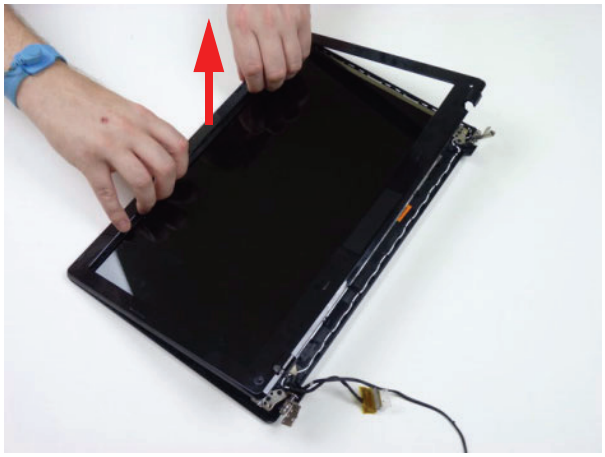
3. Pry the bezel upwards at the base of the LCD module releasing it from the latches.

4. Continue separating the latches along the sides of the bezel working towards the top.

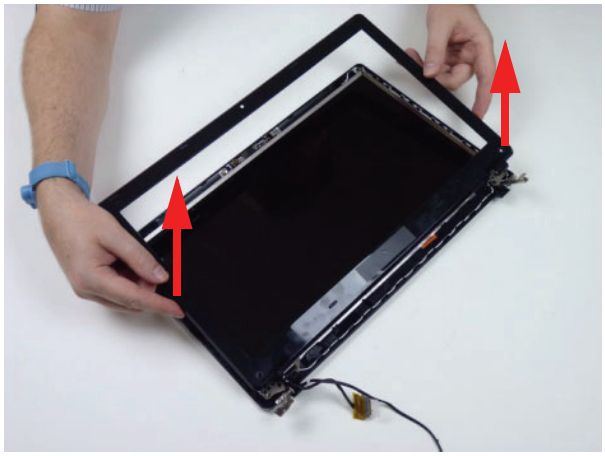




5. Release the latches at the top of the LCD bezel.



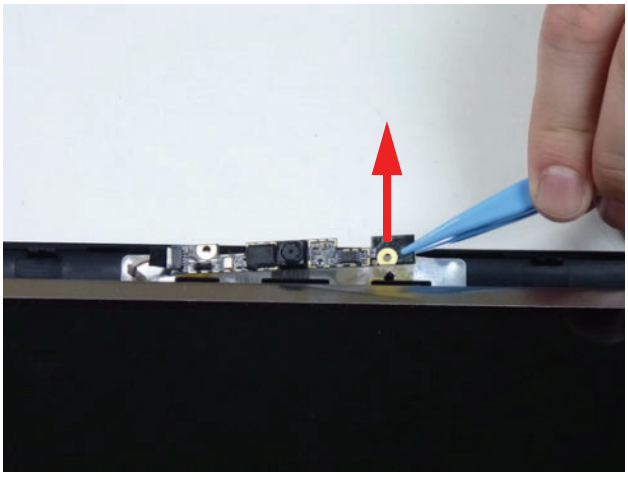
6. Lift the Bezel clear of the LCD module.



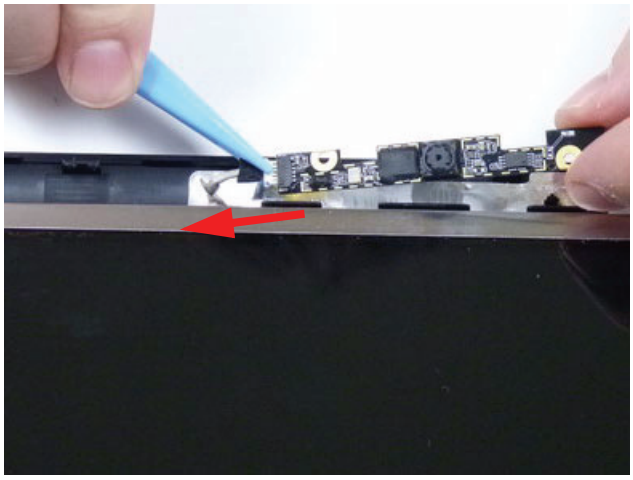
Removing the Camera (CCD) Module

1. See “Removing the LCD Bezel” on page 77.
2. Locate the CCD module on the LCD cover.

3. Lift the CCD module from the LCD cover.



4. Disconnect the cable as shown.



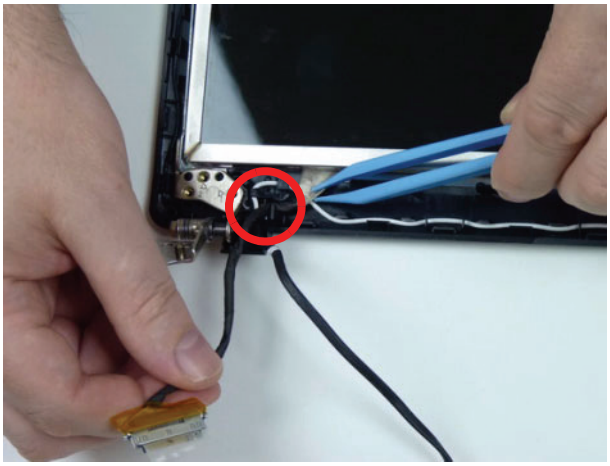
NOTE: Take care not to damage the cable.

Removing the LCD Panel

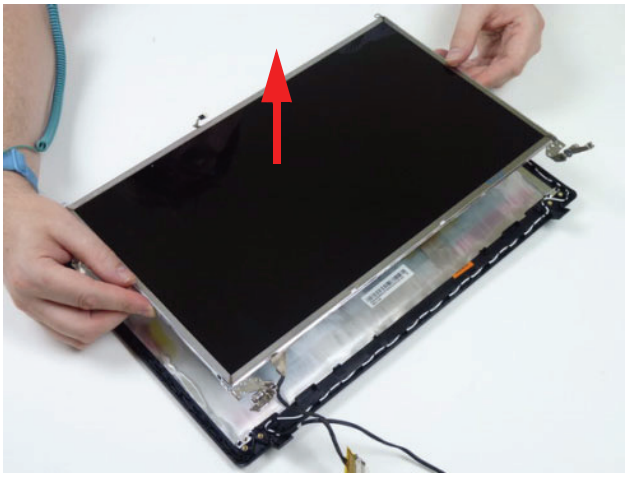
1. See “Removing the LCD Bezel” on page 77.
2. Remove the six (6) securing screws from the LCD panel.

Step	Size	Quantity	Screw Type
LCD Panel Disassembly	M2.0*4.0-I	6	

3. Remove the LVDS cable from the cable guides.

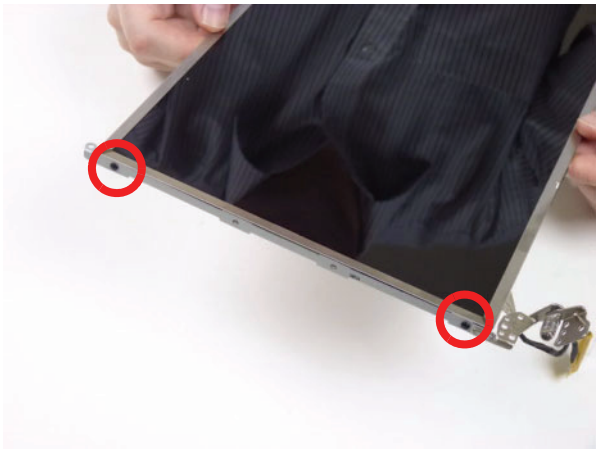


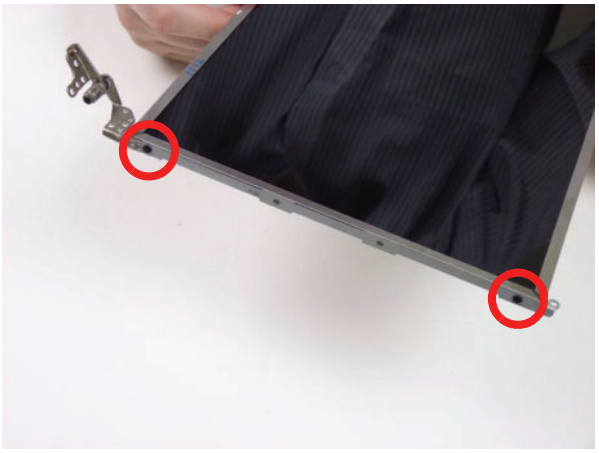
4. Lift the LCD panel clear of the LCD cover as shown.



Remove the LCD Hinges

1. See “Removing the LCD Panel” on page 80.
2. Remove the four (4) screws, 2 on each side. Separate the hinges from the LCD panel.

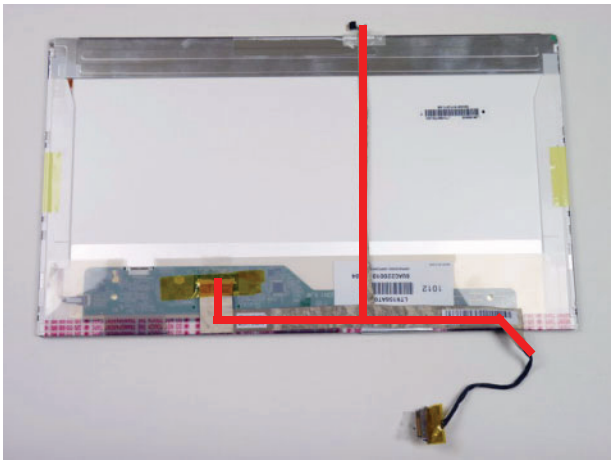




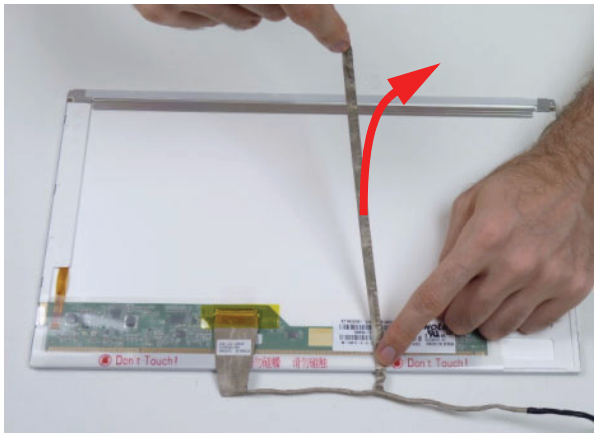
Step	Size	Quantity	Screw Type
LCD Hinge Disassembly	M2.0*3.0-I	4	

Removing the LVDS Cable

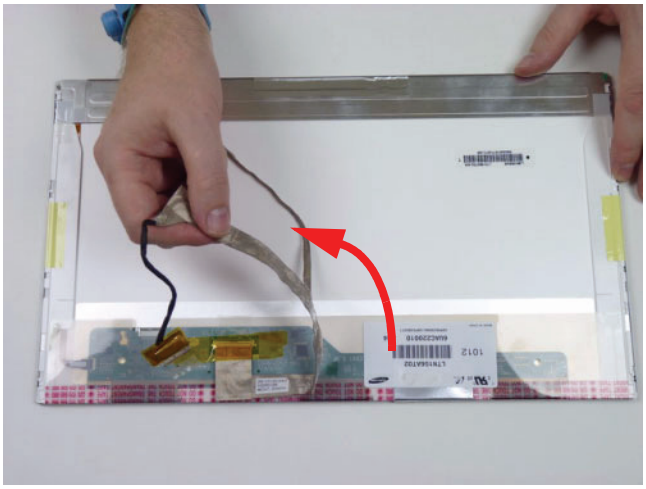
1. See “Removing the LCD Panel” on page 80.
2. Locate the LVDS cable on the LCD panel.



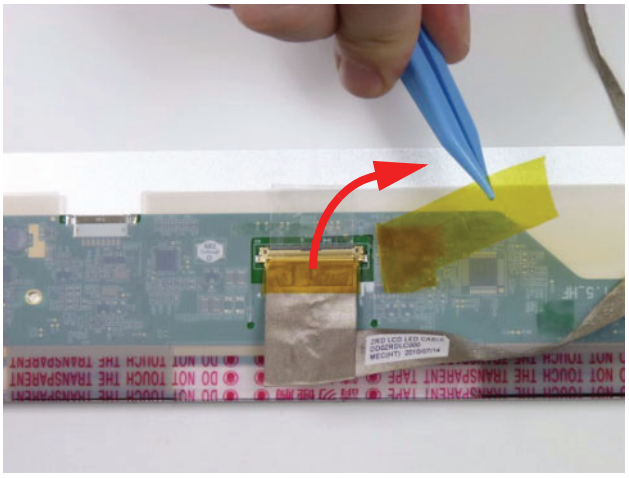
3. Detach the CCD cable from the back of the LCD panel.



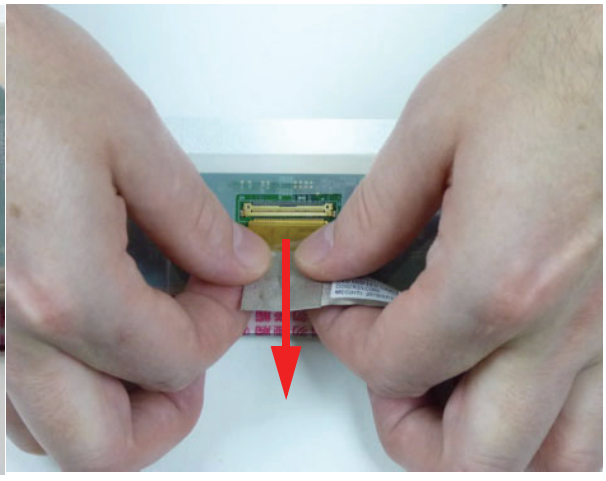
4. Detach the LVDS cable from the adhesive strip on the LCD panel.



5. Remove the yellow tape securing the LVDS cable.



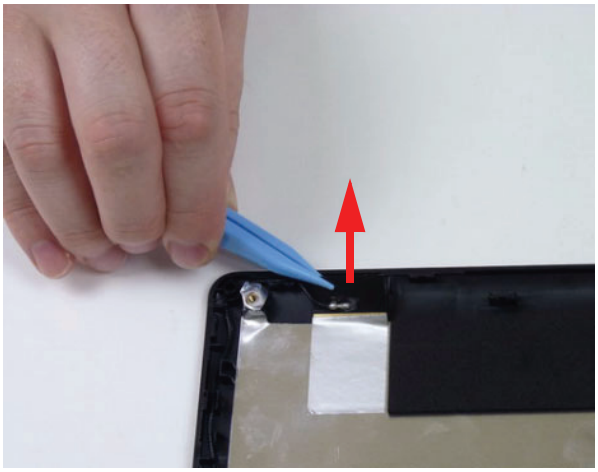
6. Starting from the top, remove the clear mylar covering and disconnect the LVDS cable from the LCD panel.



Removing the WLAN Antennas

1. See “Removing the LCD Panel” on page 80.
2. Remove the black and white WLAN antennas from the cable guides.

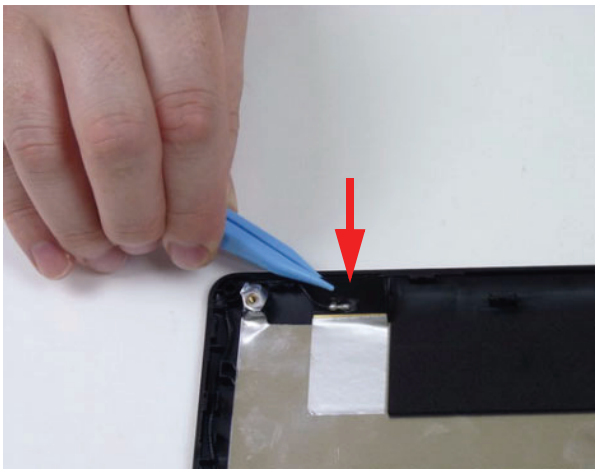
3. Remove the black antenna from the LCD cover. Repeat for the white antenna.



LCD Module Assembly Process

Replacing the WLAN Antennas

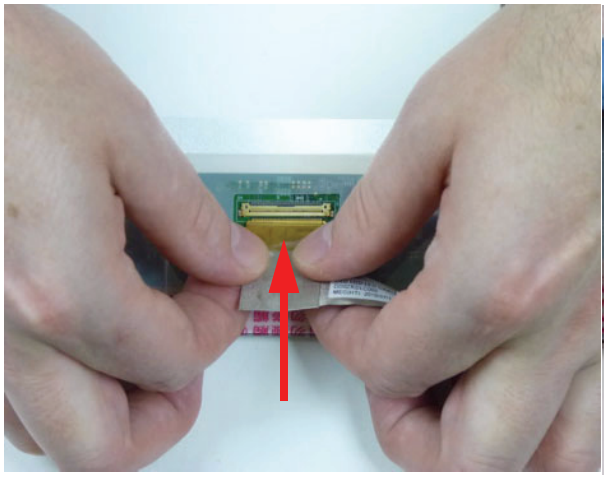
1. Place the black antenna onto the LCD cover as shown. Repeat for the white antenna.

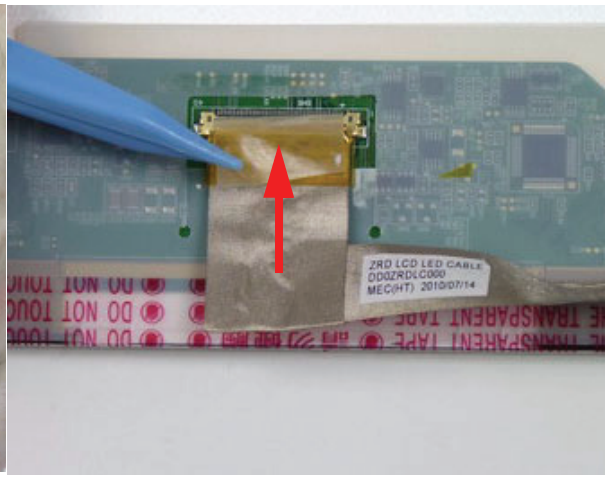


2. Place the black and white WLAN antennas into the cable guides as shown.

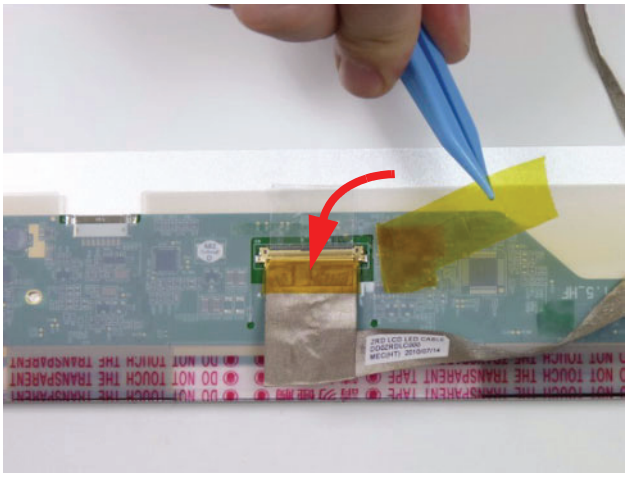
Replacing the LVDS Cable

1. Turn the LCD panel face down on a non-abrasive, clean surface. Ensure the panel face does not get damaged. Connect the LVDS cable to the LCD panel. Place the clear mylar tape over the connector and press firmly.

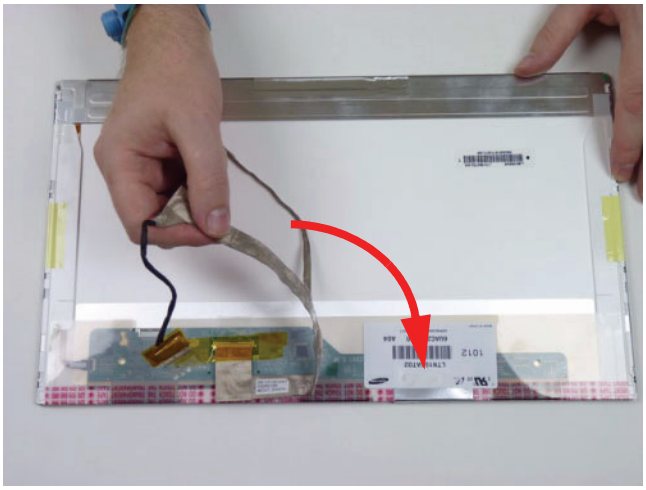




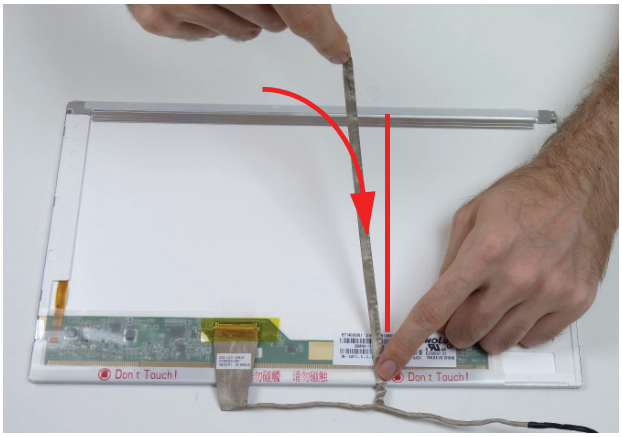
2. Replace the yellow adhesive tape to secure the LVDS cable.



3. Attach the LVDS cable to the adhesive strip on the LCD panel.



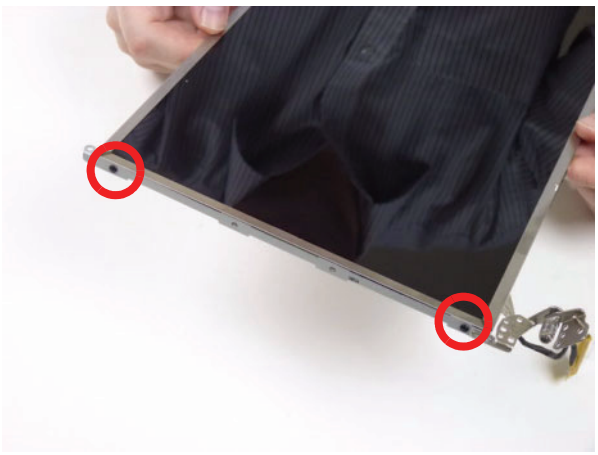
4. Adhere the camera cable to the LCD panel.



NOTE: Ensure that the cable is aligned correctly on the panel to prevent damage to the CCD module. Marked area is provided to show correct position of LVDS cable.

Replacing the LCD Hinges

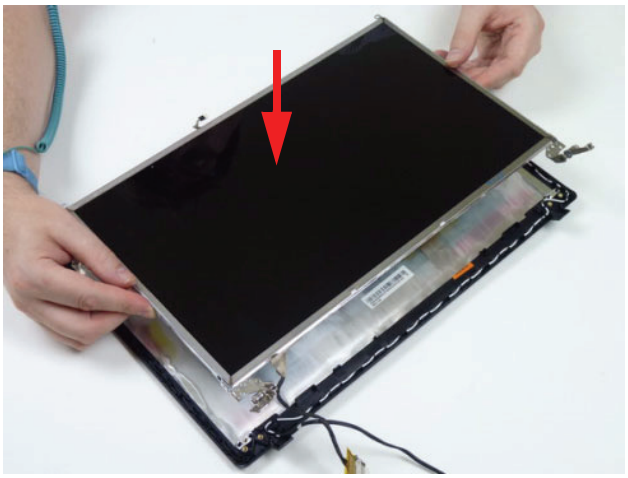
1. See “Removing the LCD Panel” on page 80.
2. Replace the four (4) screws, 2 on each side to secure the hinges.



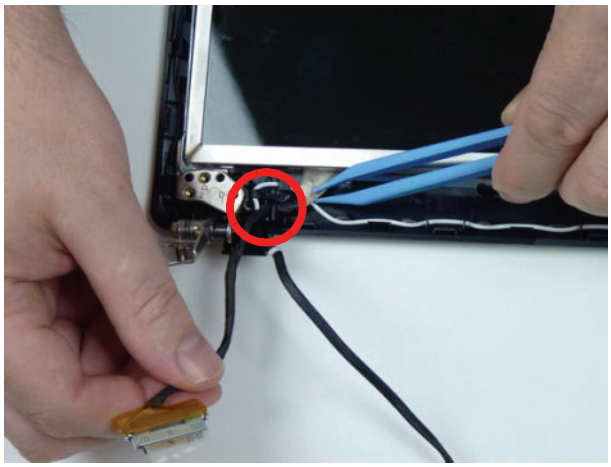
Step	Size	Quantity	Screw Type
LCD Hinge Assembly	M2.0*3.0-I	4	

Replacing the LCD Panel

1. Place the LCD panel on the LCD cover as shown.



2. Place the LVDS cable into the cable guides.

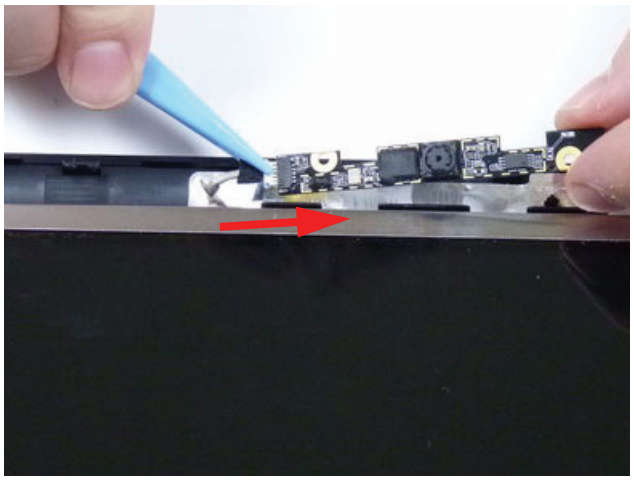


3. Replace the six (6) securing screws to secure the LCD panel.

Step	Size	Quantity	Screw Type
LCD Panel Assembly	M2.0*4.0-I	6	

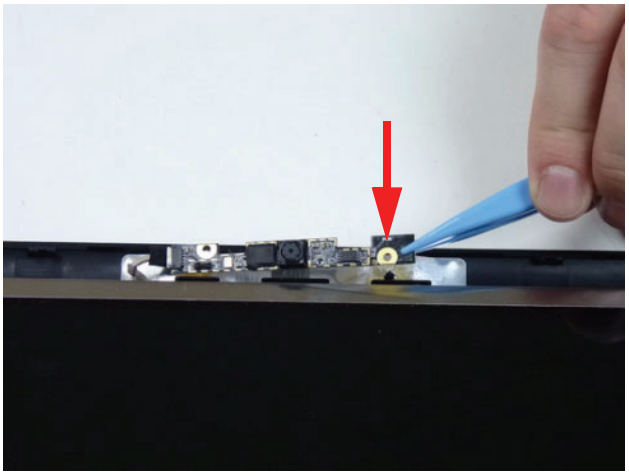
Replacing the Camera (CCD) Module

1. Connect the CCD cable as shown.



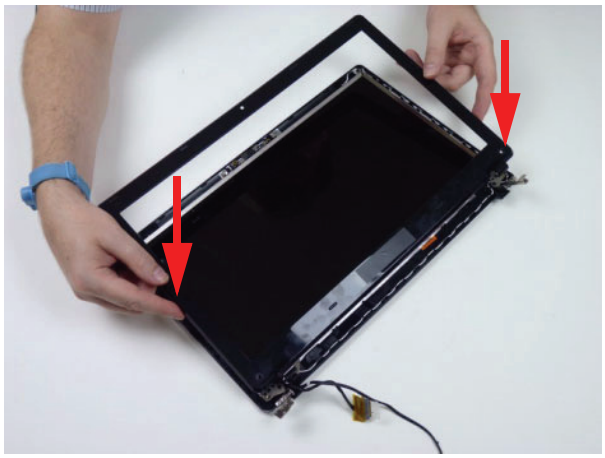
NOTE: Take care not to damage the cable.

2. Place the camera module onto the LCD cover. Apply gentle pressure to fix the adhesive.

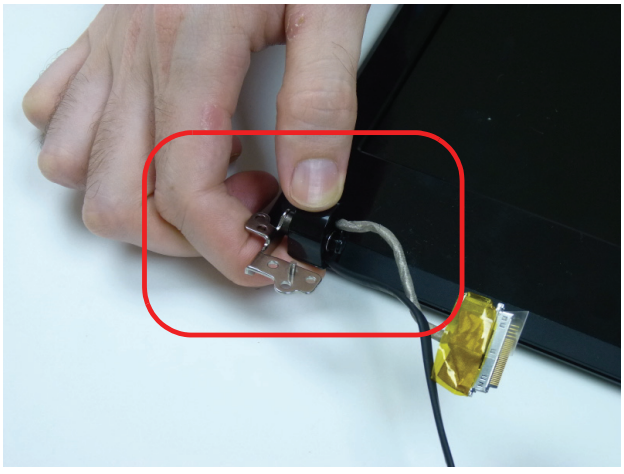


Replacing the LCD Bezel

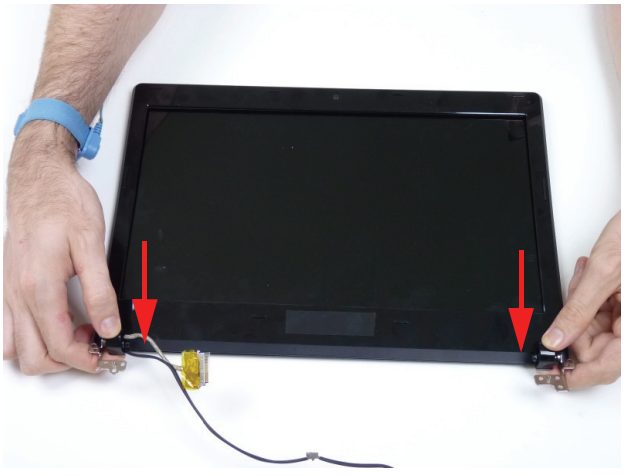
1. Place the bezel hinge covers over the hinges.



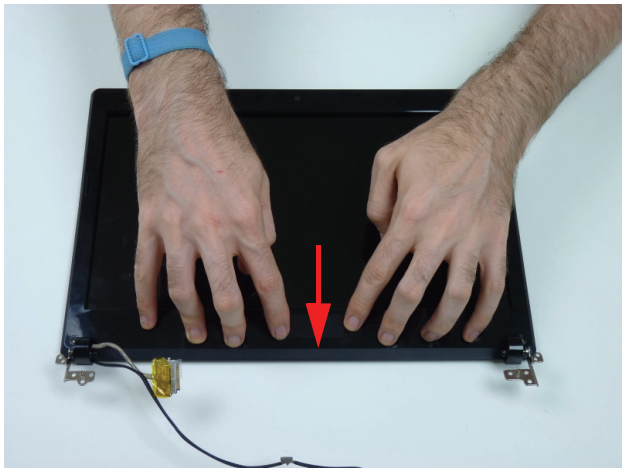
2. Ensure the LVDS and WLAN antenna cable bundle are exiting the left hinge as shown.



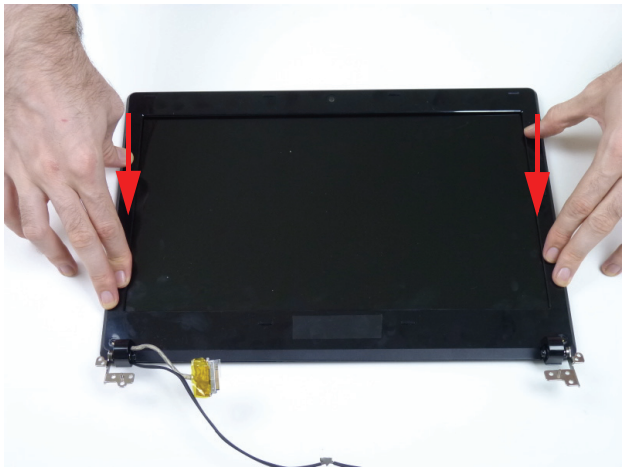
3. Apply pressure to snap the latches together.



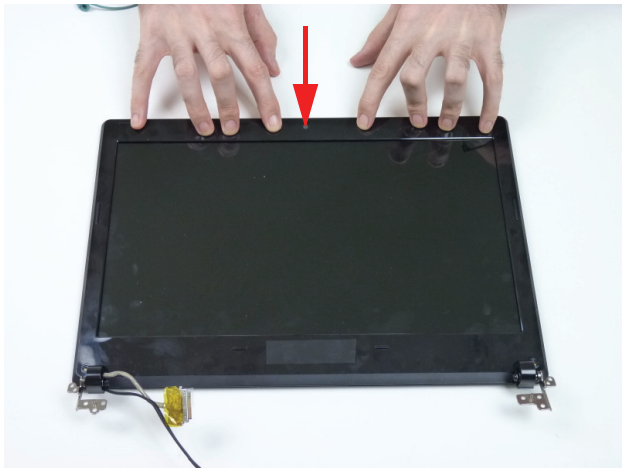
4. Apply pressure along the bottom of the bezel to attach the latches.



5. Apply pressure along the sides of the bezel to attach the latches.



6. Apply pressure along the top of the bezel to attach the latches.



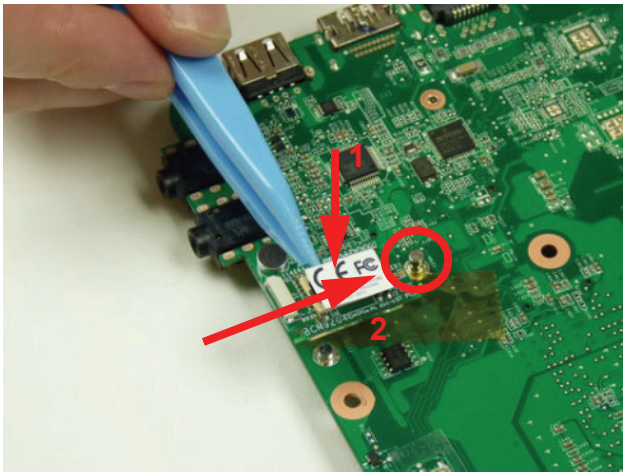
7. Replace the two (2) bezel screws.

Step	Size	Quantity	Screw Type
LCD Bezel Assembly	M2.5*4.0	2	

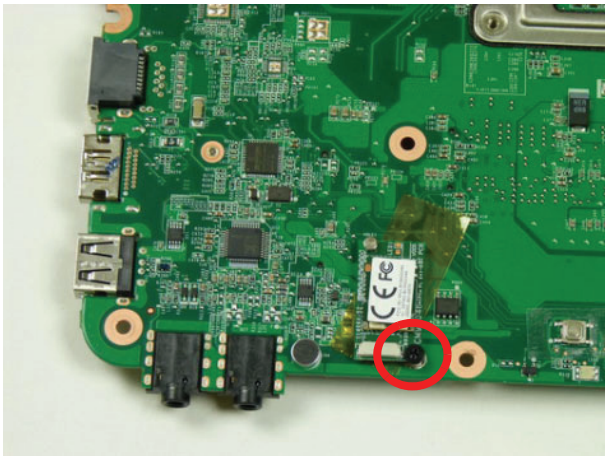
Main Unit Assembly Process

Replacing the Bluetooth Module

1. Lower the Bluetooth module onto the mainboard (1) and then push it against the metal post until firmly attached (2).

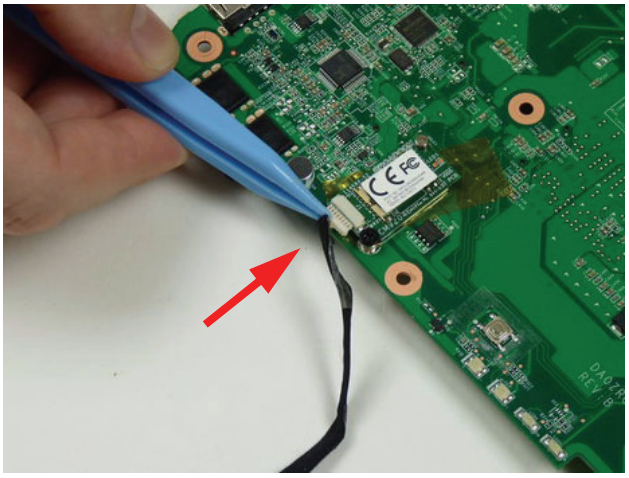


2. Replace the one (1) screw to secure the Bluetooth module to the mainboard.

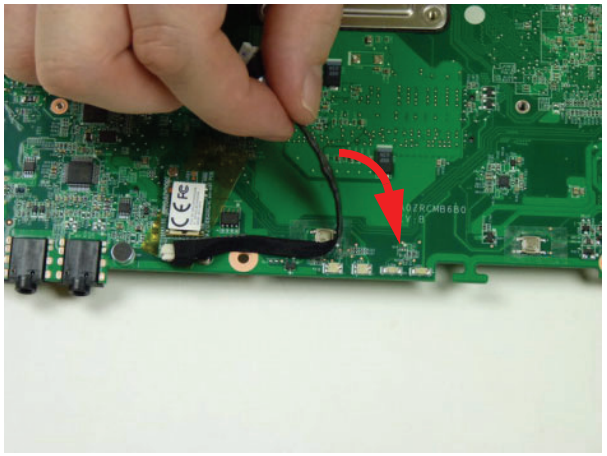


Step	Size	Quantity	Screw Type
Bluetooth Module Assembly	M2.0*3.0-I	1	

3. Connect the Bluetooth cable to the Bluetooth module.

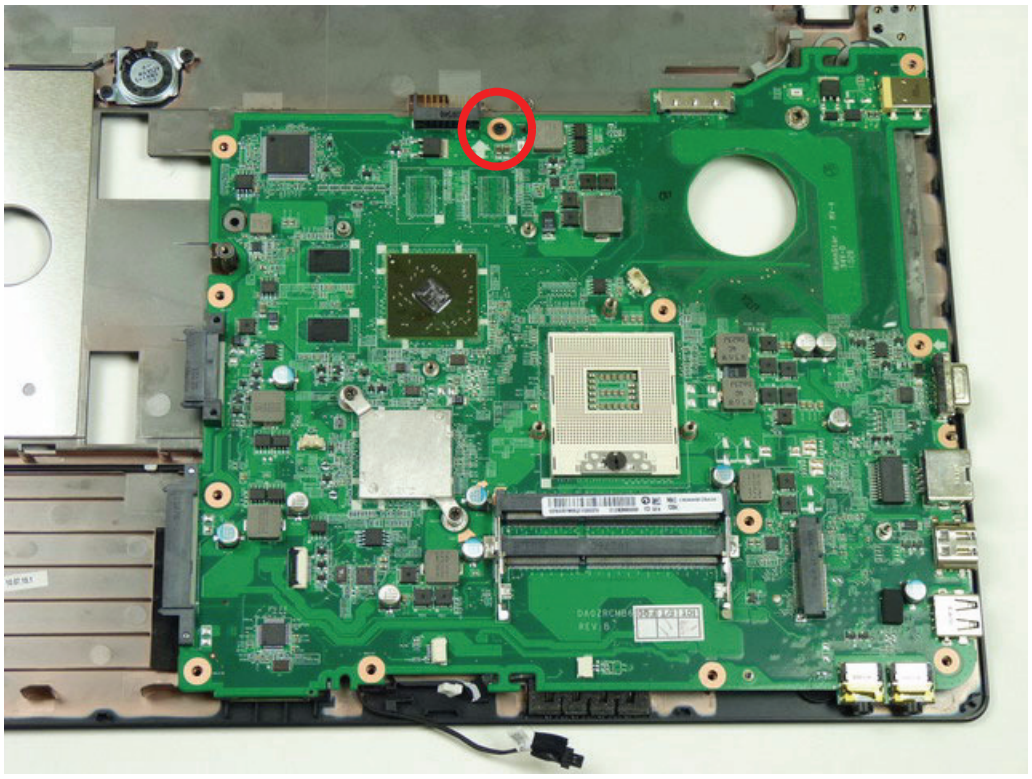


4. Adhere the Bluetooth cable to the mainboard.



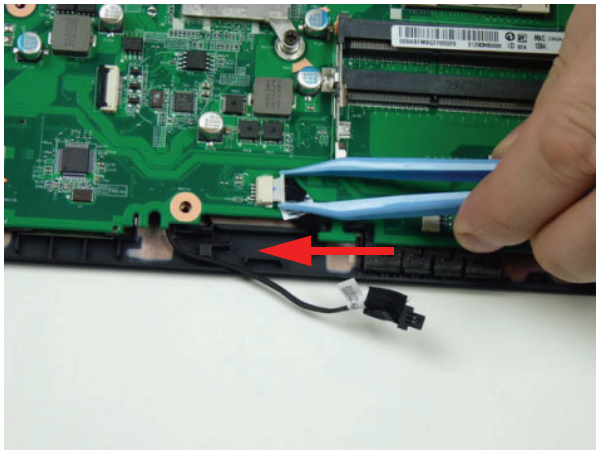
Replacing the Mainboard

1. Place the mainboard onto the upper cover and secure the one (1) screw.

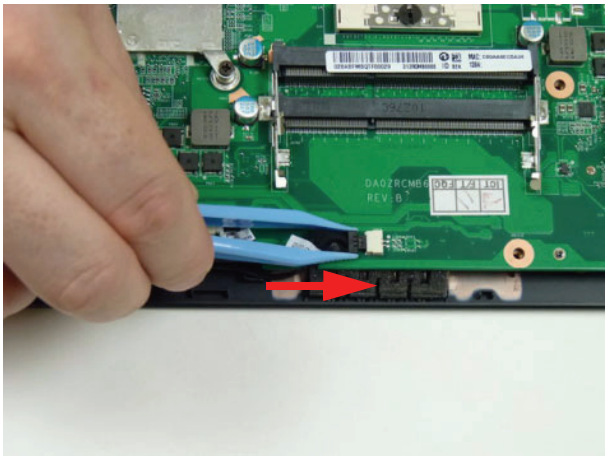


Step	Size	Quantity	Screw Type
Mainboard Assembly	M2.0*4.0	1	

2. Connect the Bluetooth cable to the mainboard.



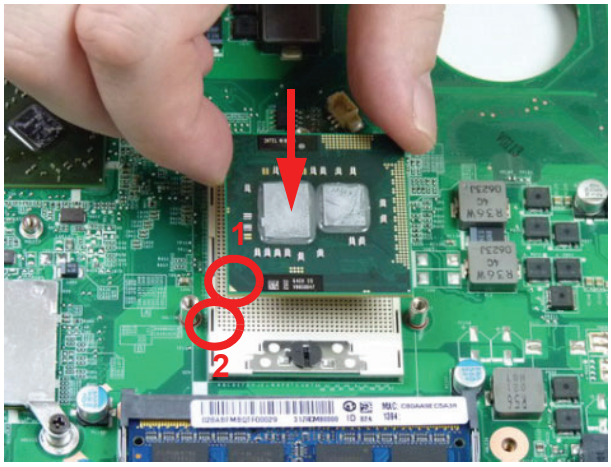
3. Connect the speaker cable to the mainboard.



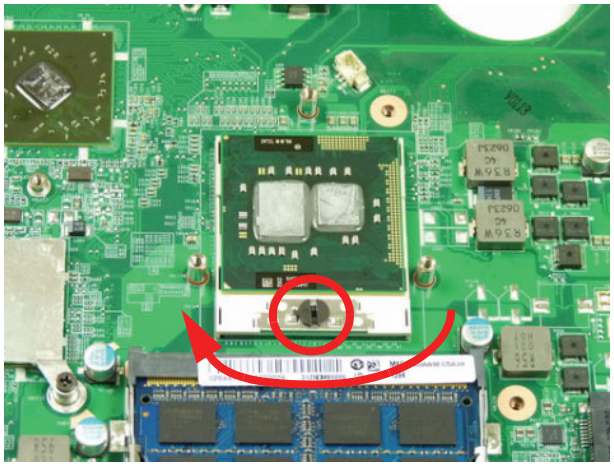
Replacing the CPU

IMPORTANT: The CPU has a Pin1 locator (1) that must be positioned corresponding to the marker (2) on the CPU socket.

1. Place the CPU into the CPU socket as shown, taking note of the Pin1 locator.



2. Using a slotted screw driver, rotate the CPU locking screw 180° clockwise as shown to secure it in the package.



Replacing the Thermal Module

IMPORTANT: Apply a suitable thermal grease and ensure all heat pads are in place before replacing the thermal module

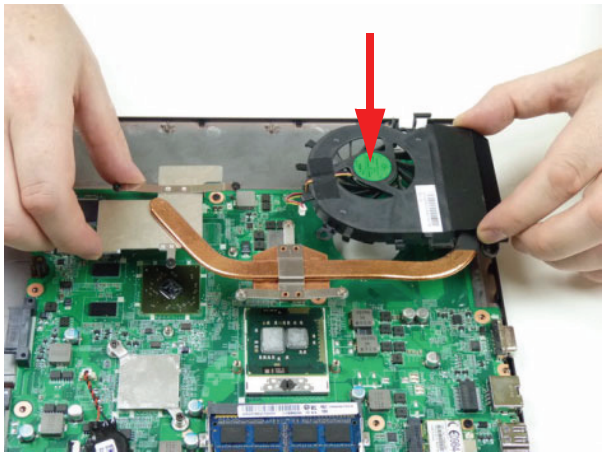
The following thermal grease types are approved for use:

- Silmore GP50
- Honeywell PCM45F-SP
- ShinEtsu 7762

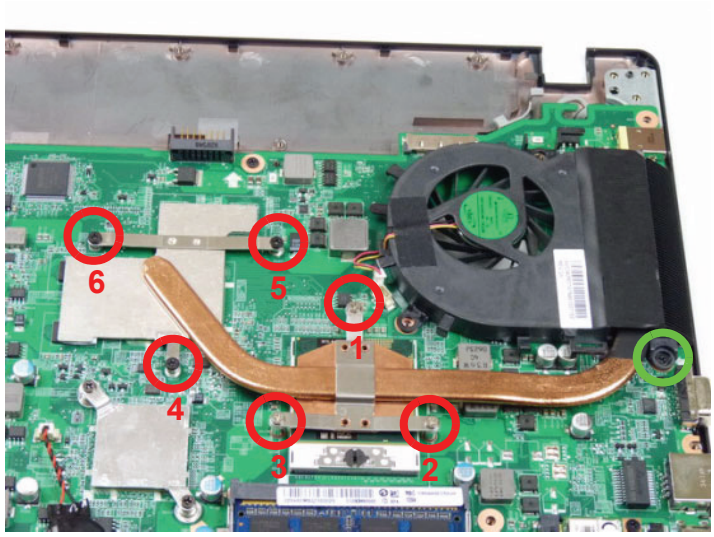
The following thermal pads are approved for use:

- Eapus XR-PE

1. Remove all traces of thermal material from the CPU and thermal module using a lint-free cloth or cotton swab and Isopropyl Alcohol, Acetone, or other approved cleaning agent.
2. Apply a new thermal pad to the center of the processor(s) coming into contact with the thermal module.
3. Align the screw holes on the thermal module to the screw posts on the mainboard, then replace the module. Keep the module as level as possible when replacing.

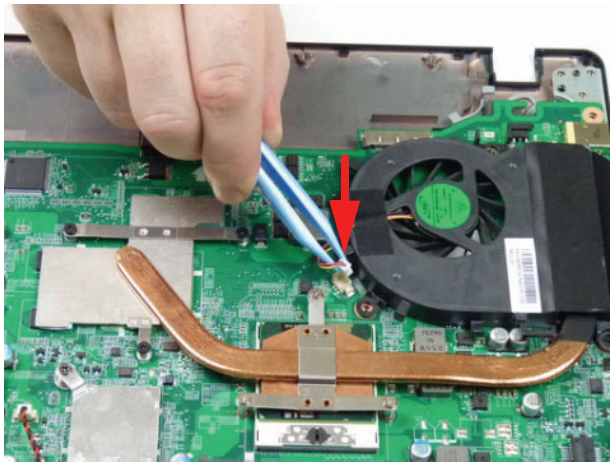


4. Tighten the four (4) captive screws (in numerical order from 1 to 4) and replace the one (1) screw to secure the CPU thermal module.

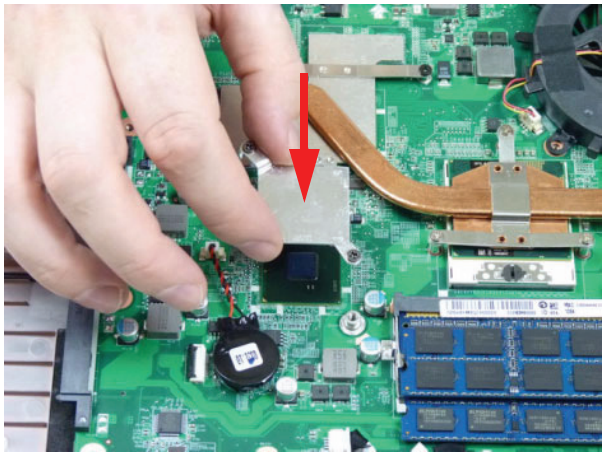


Step	Size	Quantity	Screw Type
Thermal Module Assembly	M2.0*4.0-I (green callout)	1	

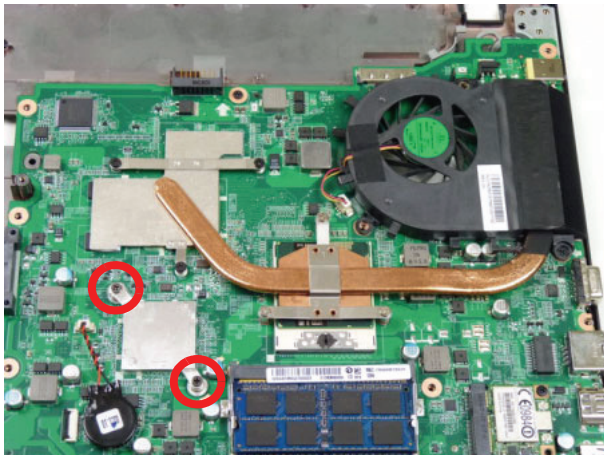
5. Connect the fan cable as shown.



6. Place the VGA heat sink on the mainboard using the thumb and forefinger as shown.

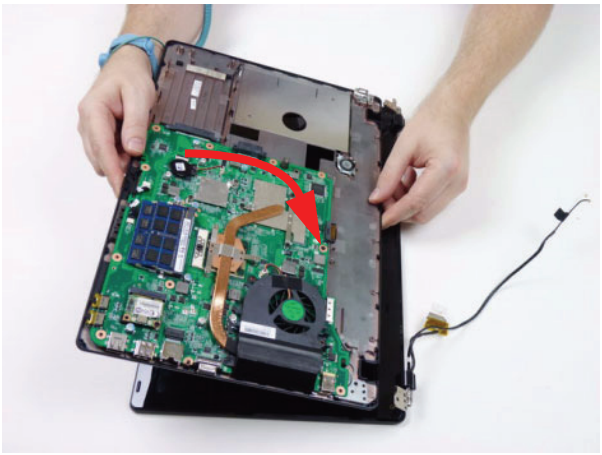


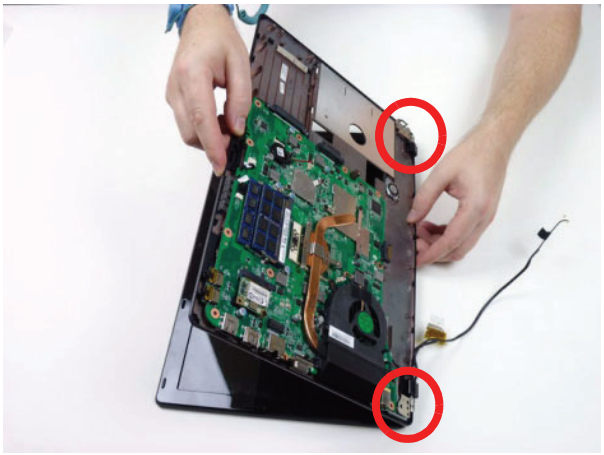
7. Tighten the two (2) captive screws to secure the VGA heat sink to the mainboard.



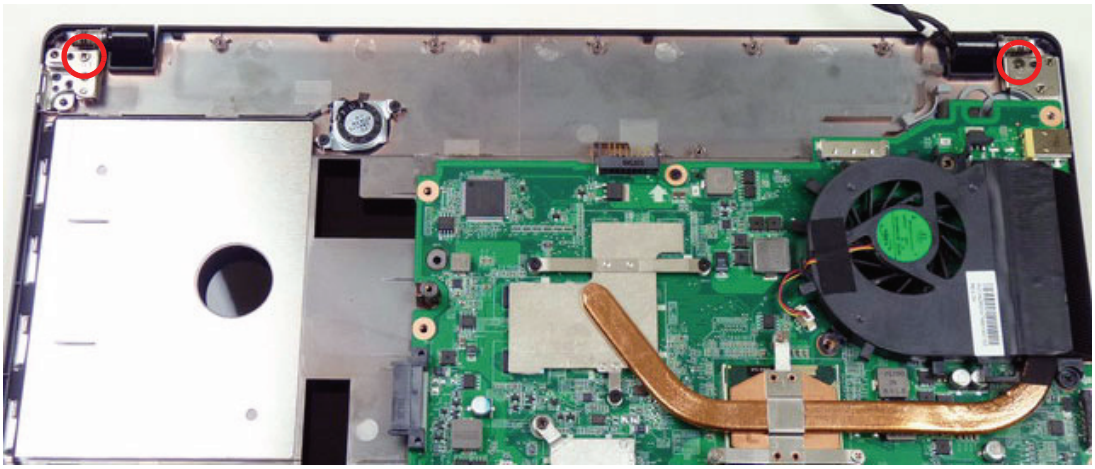
Replacing the LCD Module

1. Place the upper cover onto the LCD module and lower into place. Lower the hinges so they are flush with the hinge plates on the upper cover.



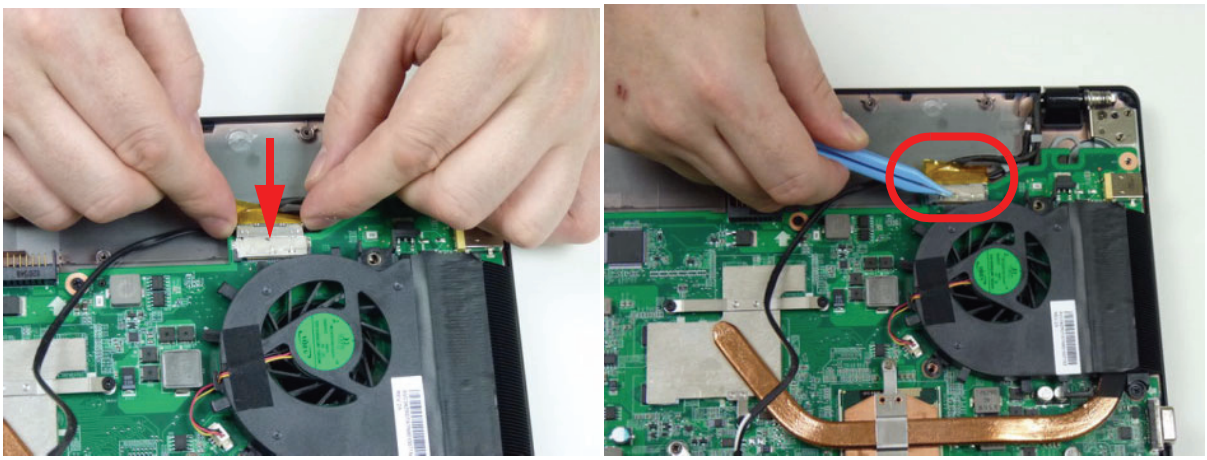


2. Replace the two (2) screws to secure the left and right hinges.

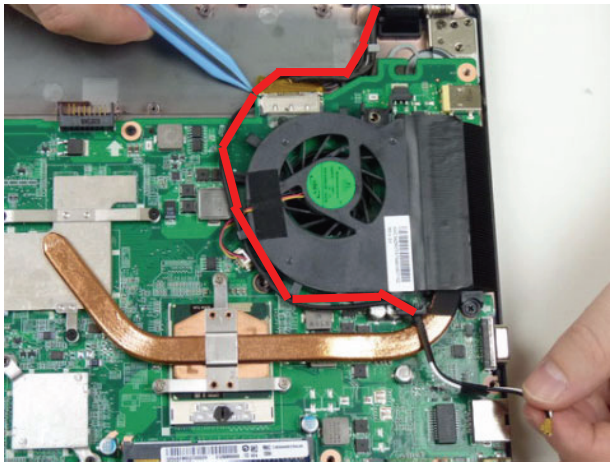


Step	Size	Quantity	Screw Type
LCD Module Assembly	M2.5*6.0-I	2	

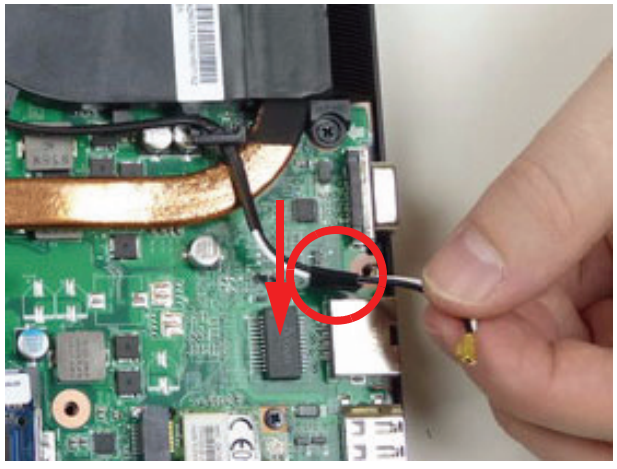
3. Connect and lock the LVDS cable.



4. Place the WLAN antenna bundle into the cable guides around the fan module.

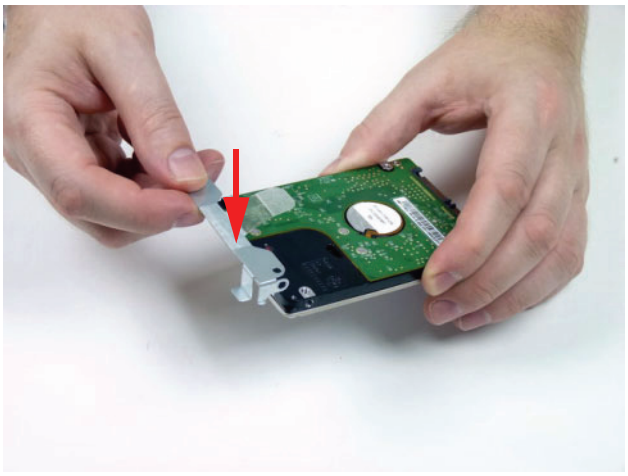


5. Place the adhesive ground wire attached to the WLAN antenna cable bundle onto the mainboard.

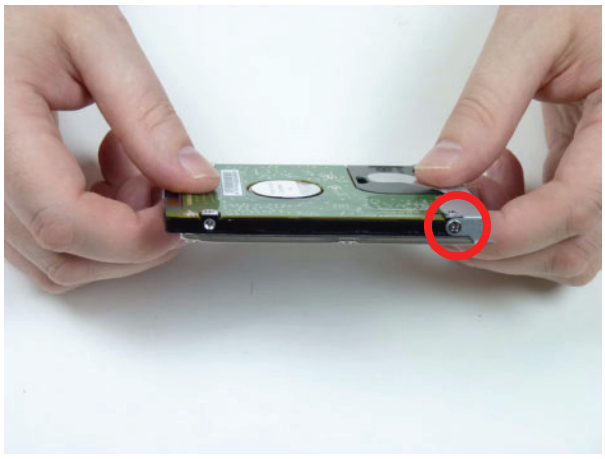


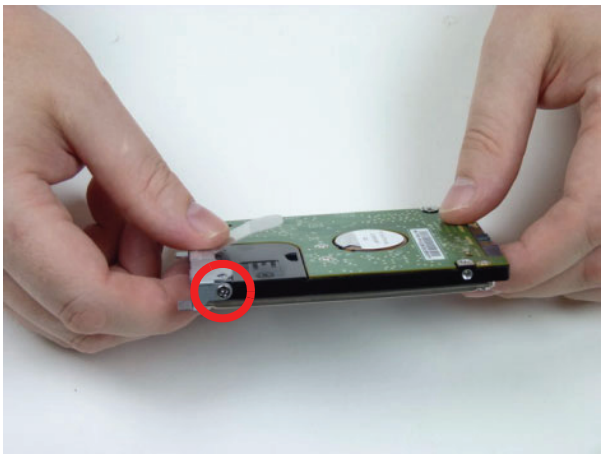
Replacing the HDD Module

1. Place the carrier onto the HDD.



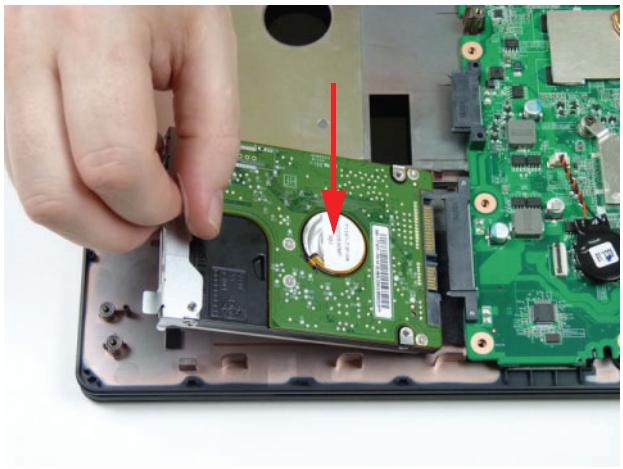
2. Replace the two (2) screws to secure the HDD carrier.



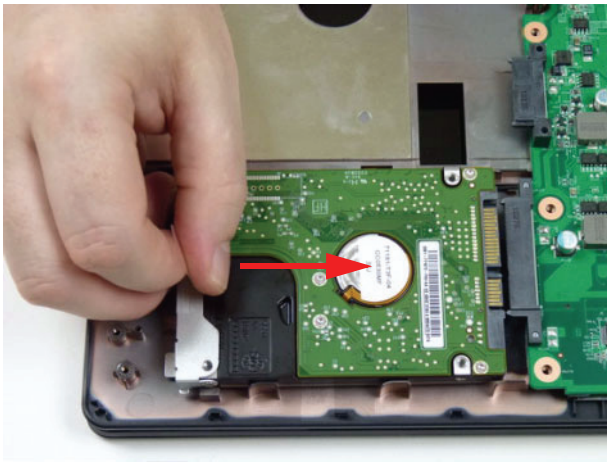


Step	Size	Quantity	Screw Type
HDD Carrier Assembly	M3*0.5+3.5I	2	

3. Place HDD on the lower cover.

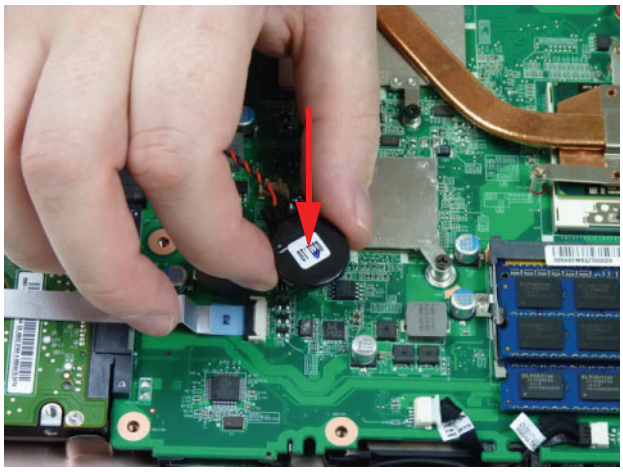


4. Using the pull-tab, slide the HDD module in the direction of the arrow to connect the interface.

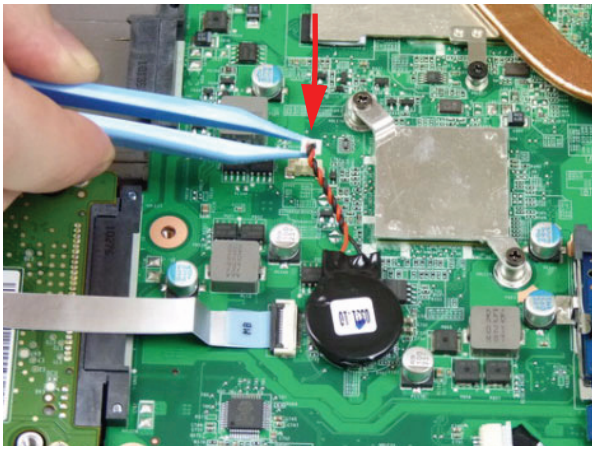


Replacing the RTC Battery

1. Place the RTC battery onto the mainboard.

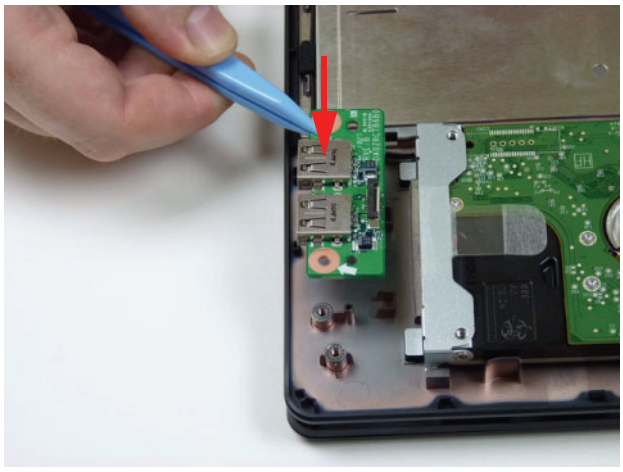


2. Connect the RTC battery cable to the mainboard connector.

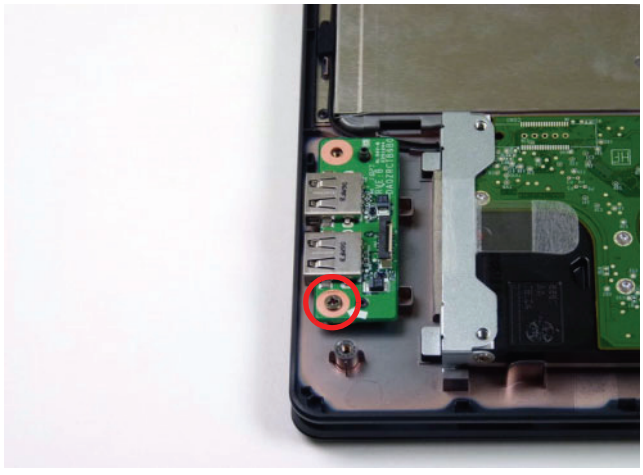


Replacing the USB Board

1. Place the USB board onto the upper cover.

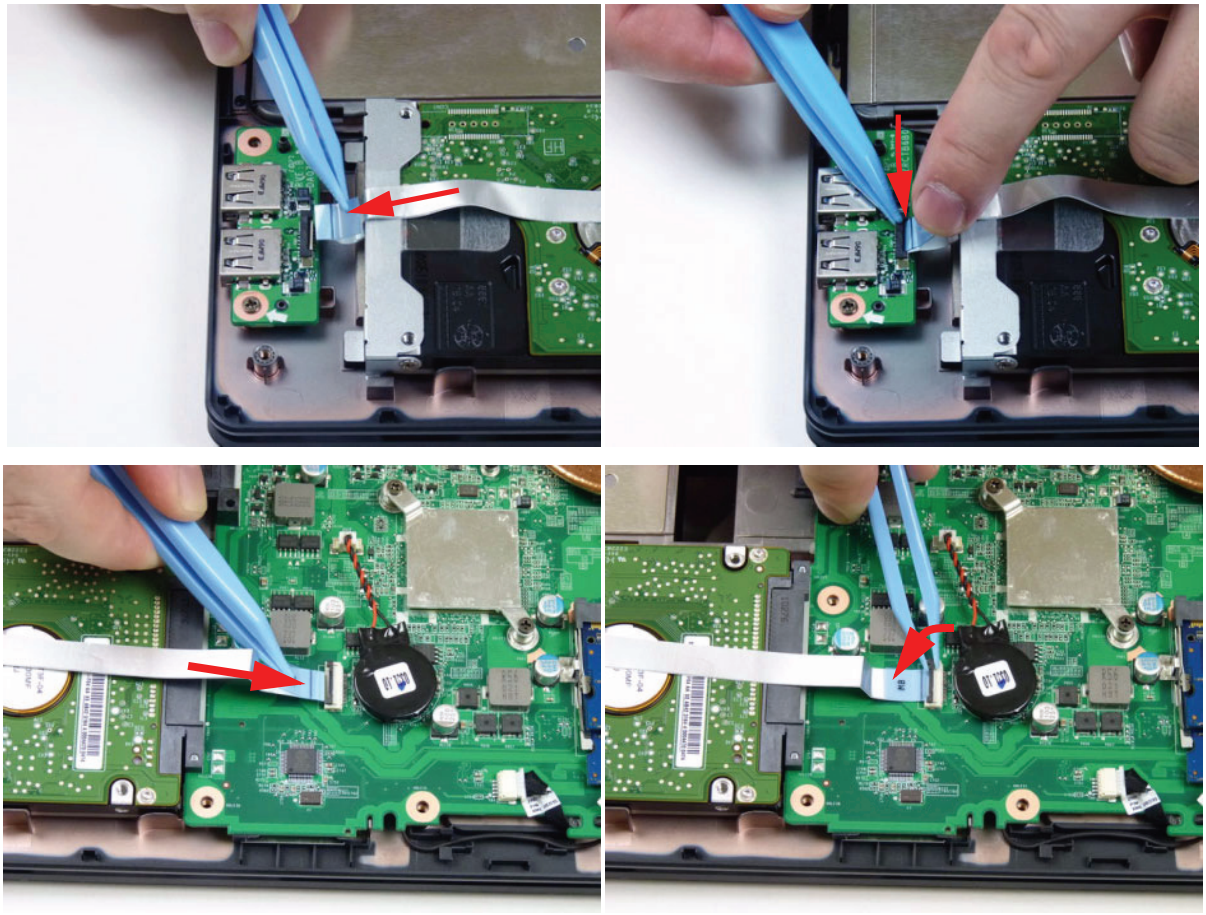


2. Replace one (1) screw to secure the USB board.



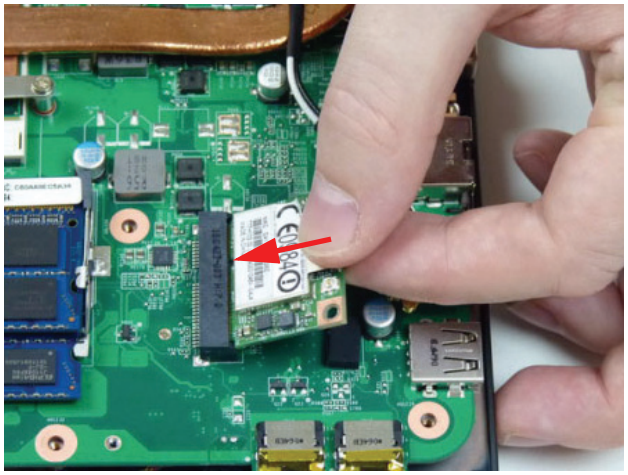
Step	Size	Quantity	Screw Type
USB Board Assembly	M2.0*4.0	1	

3. Connect and lock the USB FFC to the USB board. Repeat for the mainboard connector.

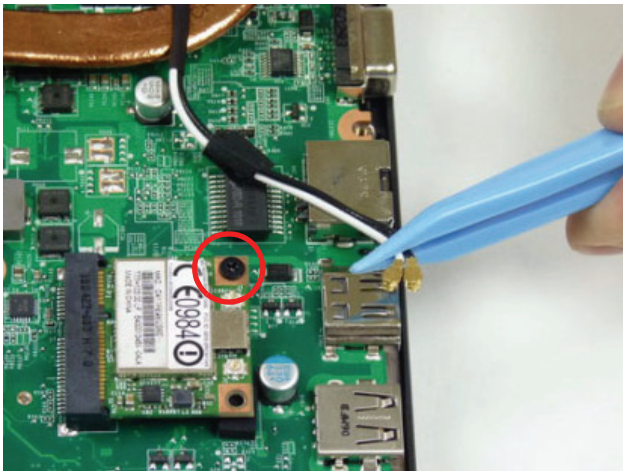


Replacing the WLAN Module

1. Insert the WLAN module into the WLAN socket.

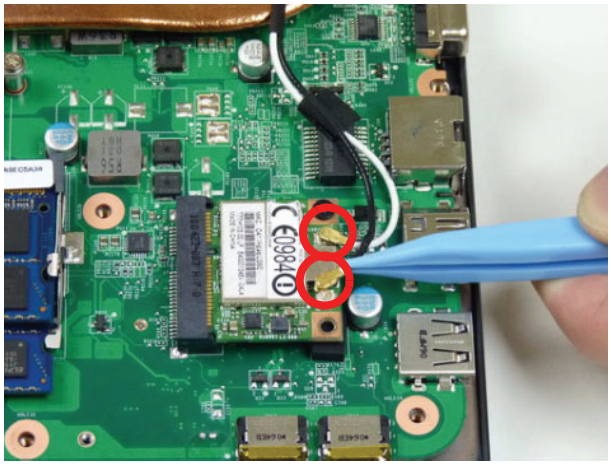


2. Replace the one (1) screw.



Step	Size	Quantity	Screw Type
WLAN Board Assembly	M2.0*3.0-I	1	

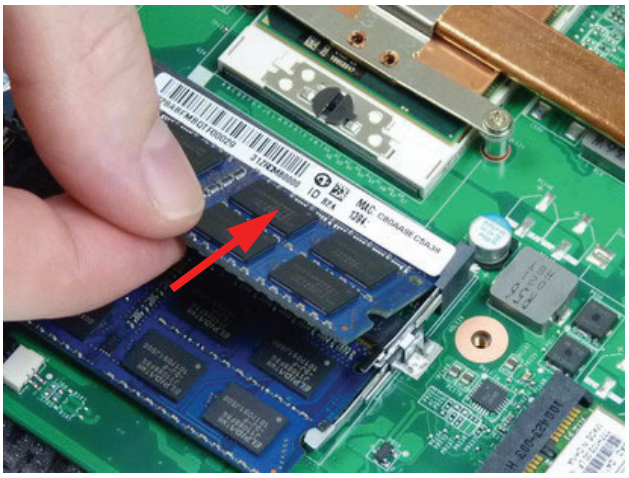
3. Connect the two (2) antenna cables to the WLAN module as shown.



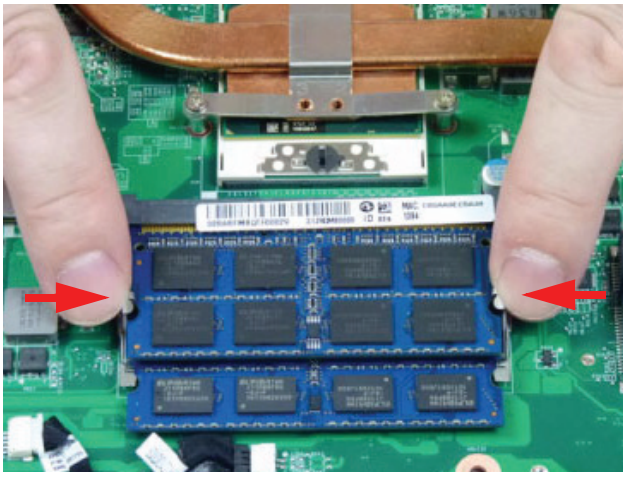
NOTE: Cable placement is as follows: black (Main) to connector J1, white (AUX) to connector J2.

Replacing the DIMM Modules

1. Insert the DIMM module into the DIMM connector.



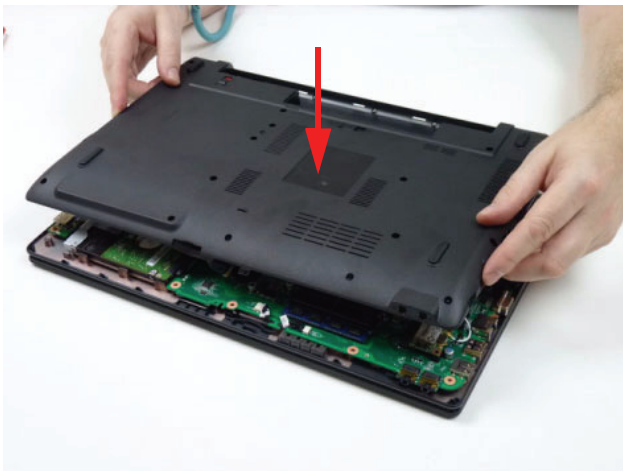
2. Press down to lock the DIMM module in place.



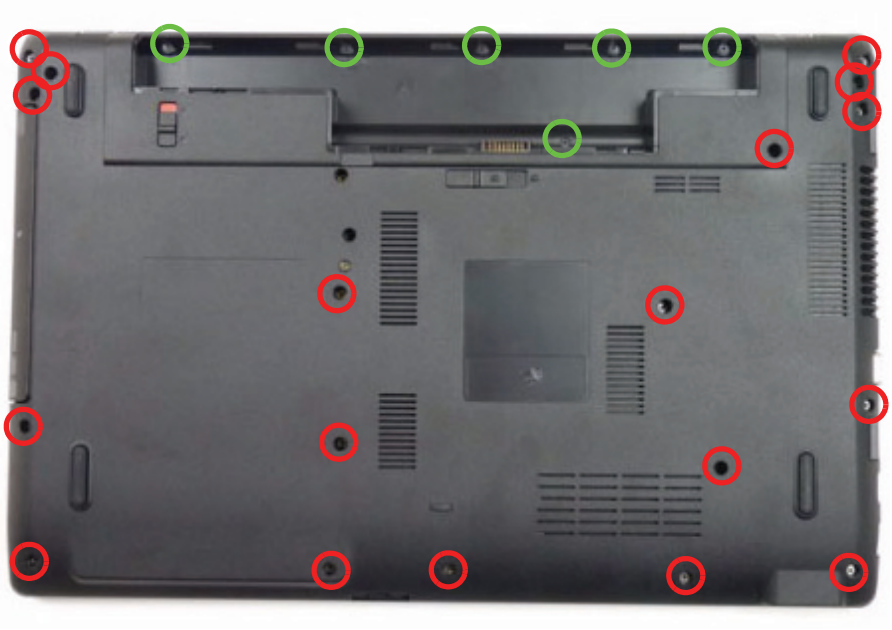
3. Repeat steps 1 and 2 for the second DIMM module if present.

Replacing the Lower Cover

1. Place the lower cover onto the device.



2. Replace the twenty three (23) screws to secure the lower cover to the device.

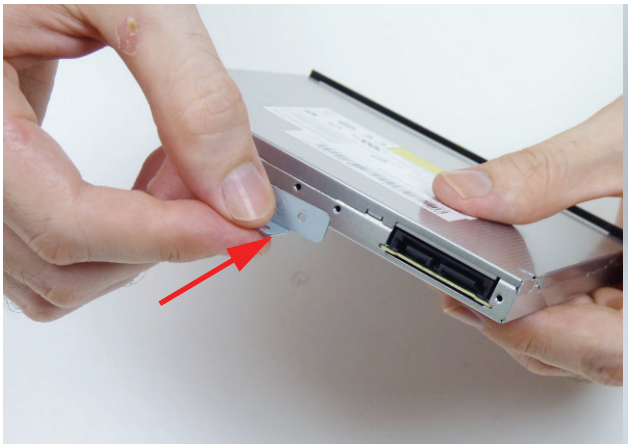


Step	Size	Quantity	Screw Type
Lower Cover (red callout)	M2.5*6.0-I	18	
Battery Bay (green callout)	M2.0*3.0-I	6	

External Module Assembly Process

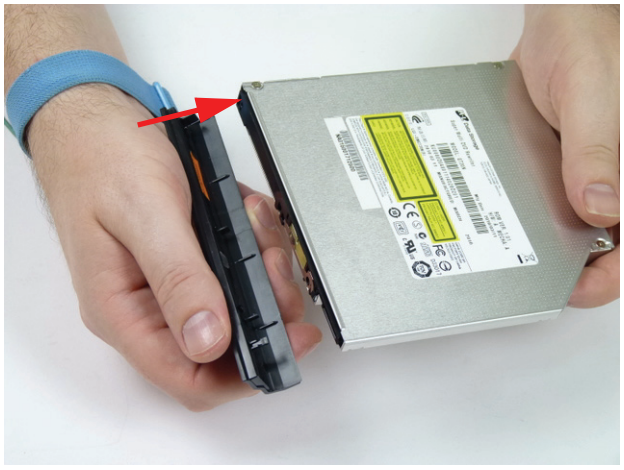
Replacing the ODD Module

1. Place the ODD bracket onto the ODD module and replace the two (2) screws to secure it.

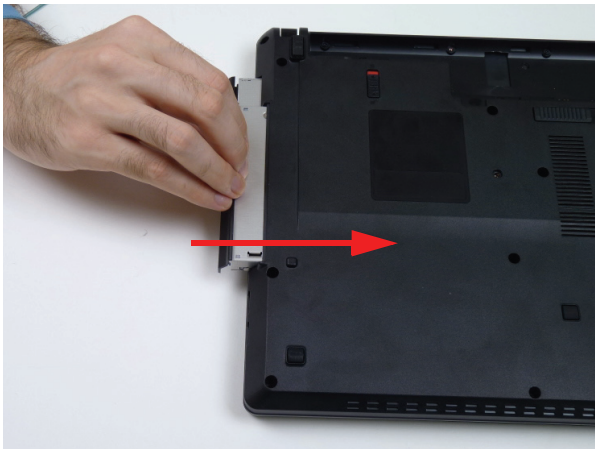



Step	Size	Quantity	Screw Type
ODD Bracket Assembly	M2.0*3.0-I	2	

2. Press the bezel into the tray, bottom edge first, to secure it to the ODD module.



3. Push the ODD module into the ODD bay until it is flush with the casing.

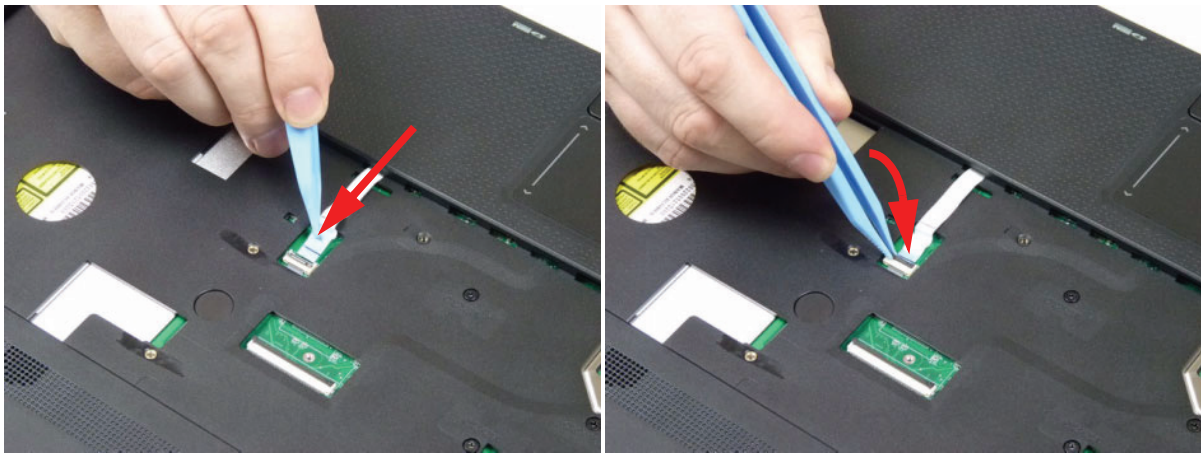


4. Replace the one (1) screw to secure the module.

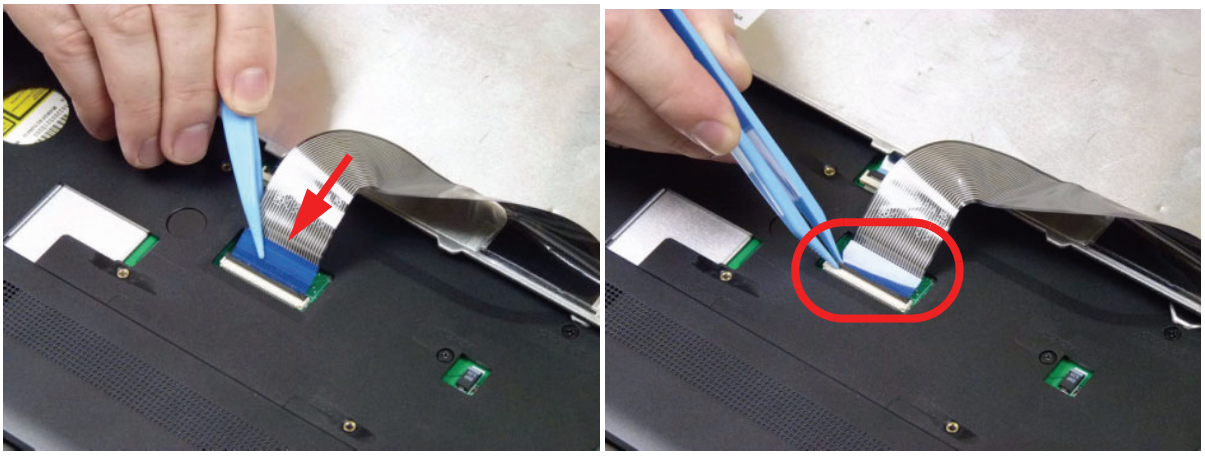
Step	Size	Quantity	Screw Type
ODD Module Assembly	M2.5*6.0-I	1	

Replacing the Keyboard

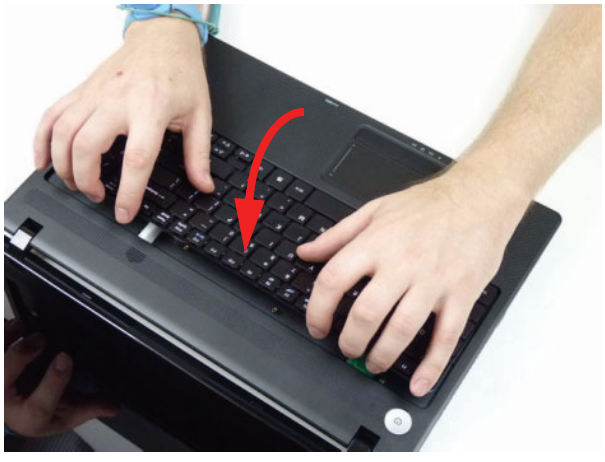
1. Connect and lock the touchpad FFC to the mainboard connector.



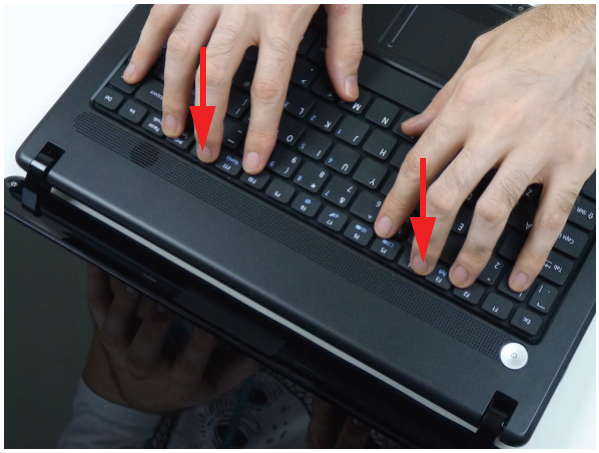
2. Place the keyboard face down on the upper cover. Connect the keyboard FPC to the mainboard and secure the locking latch.



3. Turn the keyboard over and slide the front edge into the upper cover, ensuring that the four locating tabs are correctly seated.



4. Press down as indicated to secure the keyboard in place.

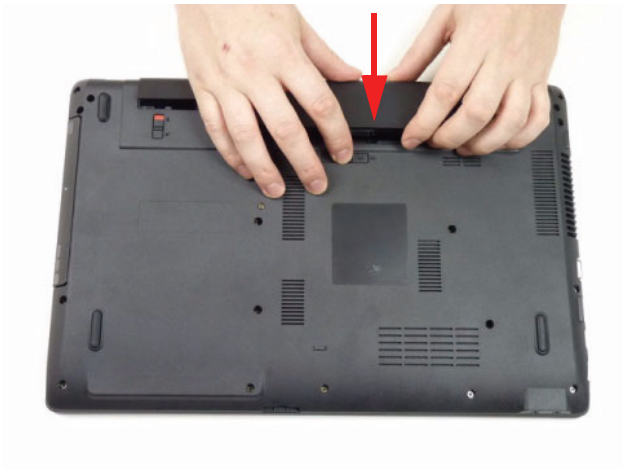


Replacing the SD dummy card

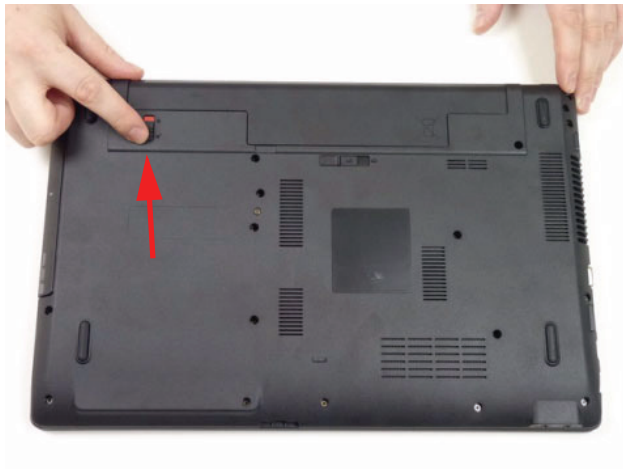
1. Insert the SD dummy card into the slot and push until the card clicks into place and is flush with the casing.

Replacing the Battery Pack

1. Insert the battery pack and press down.



2. Slide the battery lock in the direction shown to secure the battery in place.



Troubleshooting

Common Problems

Use the following procedure as a guide for computer problems.

NOTE: The diagnostic tests are intended to test only eMachines products. Non-eMachines products, prototype cards, or modified options can give false errors and invalid system responses.

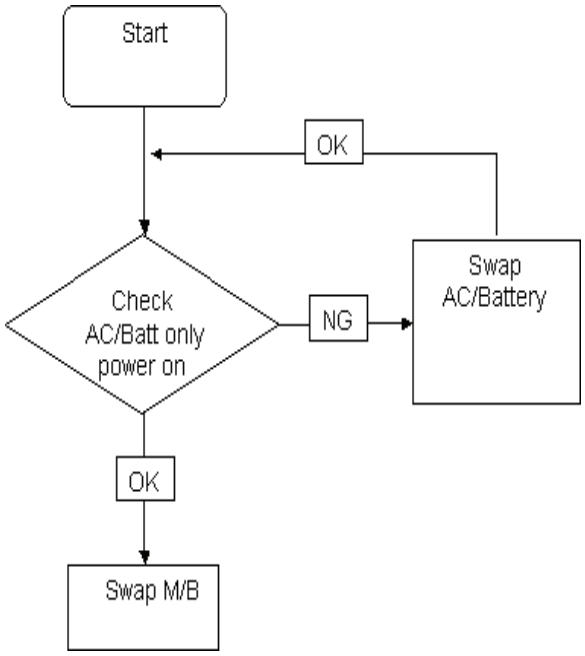
1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

Symptoms (Verified)	Go To
Power On Issue	Page 118
No Display Issue	Page 119
LCD Failure	Page 121
Internal Keyboard Failure	Page 122
Touchpad Failure	Page 122
Internal Speaker Failure	Page 123
ODD Failure	Page 127
WLAN Failure	Page 130
Thermal Unit Failure	Page 130
Other Functions Failure	Page 131
Intermittent Failures	Page 132
Undermined Failures	Page 132

4. If the Issue is still not resolved, see “Online Support Information” on page 179.

Power On Issue

If the system doesn't power on, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



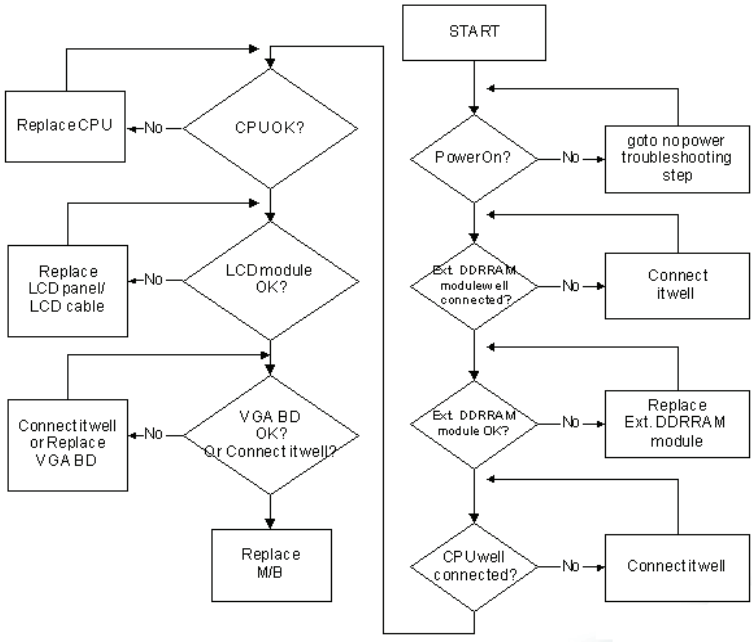
Computer Shutsdown Intermittently

If the system powers off at intervals, perform the following actions one at a time to correct the problem.

1. Check the power cable is properly connected to the computer and the electrical outlet.
2. Remove any extension cables between the computer and the outlet.
3. Remove any surge protectors between the computer and the electrical outlet. Plug the computer directly into a known good electrical outlet.
4. Disconnect the power and open the casing to check the Thermal Unit (see "Thermal Unit Failure" on page 129) and fan airways are free of obstructions.
5. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
6. Remove any recently installed software.
7. If the Issue is still not resolved, see "Online Support Information" on page 179.

No Display Issue

If the **Display** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



No POST or Video

If the POST or video doesn't display, perform the following actions one at a time to correct the problem.

1. Make sure that the internal display is selected. On this notebook model, switching between the internal display and the external display is done by pressing **Fn+F5**. Reference Product pages for specific model procedures.
2. Make sure the computer has power by checking at least one of the following occurs:
   - Fans start up
   - Status LEDs light up

   If there is no power, see "Power On Issue" on page 118.
3. Drain any stored power by removing the power cable and battery and holding down the power button for 10 seconds. Reconnect the power and reboot the computer.
4. Connect an external monitor to the computer and switch between the internal display and the external display is by pressing **Fn+F5** (on this model).

   If the POST or video appears on the external display,see "LCD Failure" on page 121.
5. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards and CD/DVD discs. Restart the computer.

   If the computer boots correctly, add the devices one by one until the failure point is discovered.
6. Reseat the memory modules.
7. Remove the drives(see "Disassembly Process" on page 47).
8. If the Issue is still not resolved, see "Online Support Information" on page 179.

Abnormal Video Display

If video displays abnormally, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. If permanent vertical/horizontal lines or dark spots display in the same location, the LCD is faulty and should be replaced. See “Disassembly Process” on page 47.
3. If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. See “Disassembly Process” on page 47.
4. Adjust the brightness to its highest level. See the User Manual for instructions on adjusting settings.
   NOTE: Ensure that the computer is not running on battery alone as this may reduce display brightness.

   If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. See “Removing the LCD Module” on page 66.
5. Check the display resolution is correctly configured:
   a. Minimize or close all Windows.
   b. If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
   c. If desktop display resolution is not normal, right-click on the desktop and select **Personalize→ Display Settings**.
   d. Click and drag the Resolution slider to the desired resolution.
   e. Click **Apply** and check the display. Readjust if necessary.
6. Roll back the video driver to the previous version if updated.
7. Remove and reinstall the video driver.
8. Check the Device Manager to determine that:
   - The device is properly installed. There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
9. If the Issue is still not resolved, see “Online Support Information” on page 179.
10. Run the Windows Memory Diagnostic from the operating system DVD and follow the onscreen prompts.
11. If the Issue is still not resolved, see “Online Support Information” on page 179.

Random Loss of BIOS Settings

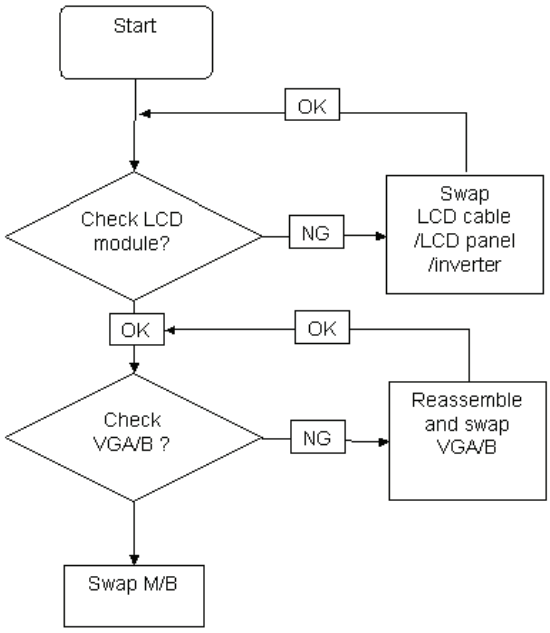
If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

1. If the computer is more than one year old, replace the CMOS battery.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. If the computer is experiencing HDD or ODD BIOS information loss, disconnect and reconnect the power and data cables between devices.

   If the BIOS settings are still lost, replace the cables.
4. If HDD information is missing from the BIOS, the drive may be defective and should be replaced.
5. Replace the Motherboard.
6. If the Issue is still not resolved, see “Online Support Information” on page 179.

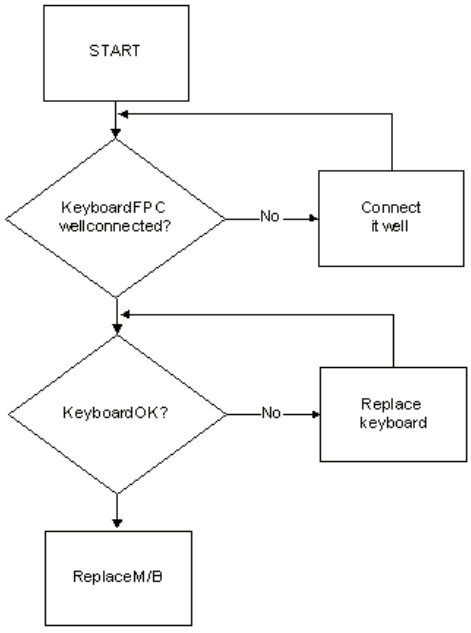
LCD Failure

If the **LCD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



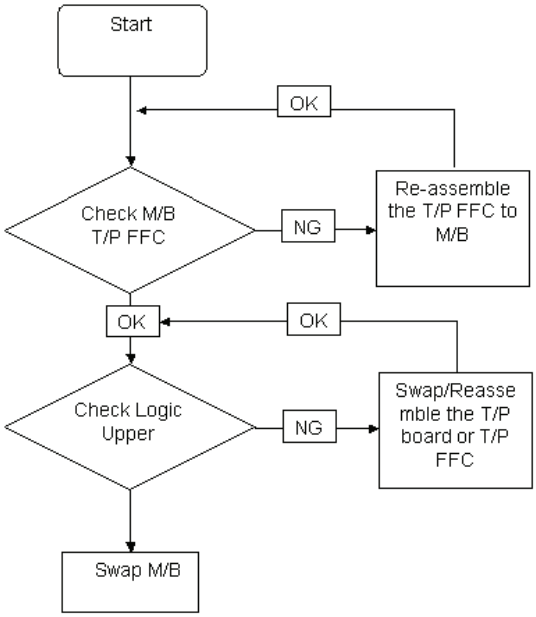
Built-In Keyboard Failure

If the built-in **Keyboard** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



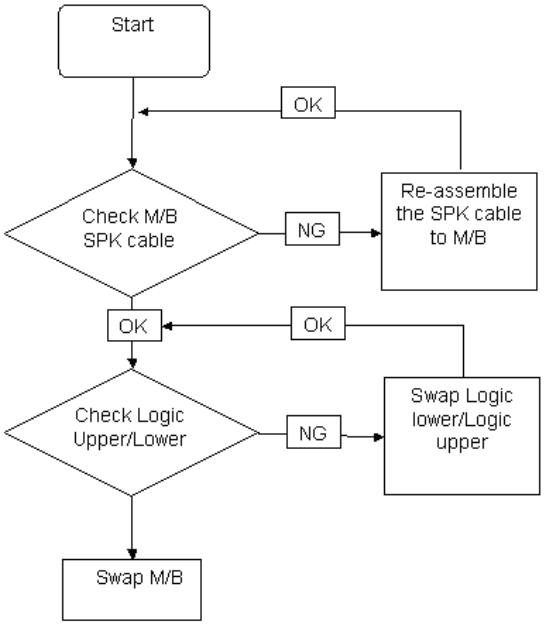
Touchpad Failure

If the **Touchpad** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:



Internal Speaker Failure

If the internal **Speakers** fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:



Internal Microphone Failure

If the internal Microphone fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:

USB Failure

If the internal USB module fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:

Sound Problems

If sound problems are experienced, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**. Check the Device Manager to determine that:
   - The device is properly installed.
   - There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
3. Roll back the audio driver to the previous version, if updated recently.
4. Remove and reinstall the audio driver.
5. Ensure that all volume controls are set mid range:
   a. Click the volume icon on the taskbar and drag the slider to 50. Ensure that the volume is not muted.
   b. Click Mixer to verify that other audio applications are set to 50 and not muted.
6. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **Sound**. Ensure that Speakers are selected as the default audio device (green check mark).
   NOTE: If Speakers does not show, right-click on the **Playback** tab and select **Show Disabled Devices** (clear by default).
7. Select Speakers and click **Configure** to start **Speaker Setup**. Follow the onscreen prompts to configure the speakers.
8. Remove and recently installed hardware or software.
9. Restore system and file settings from a known good date using **System Restore**.
   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
10. Reinstall the Operating System.
11. If the Issue is still not resolved, see “Online Support Information” on page 179.

Microphone Problems

If internal or external **Microphones** do no operate correctly, perform the following actions one at a time to correct the problem.

1. Check that the microphone is enabled. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **Sound** and select the **Recording** tab.
2. Right-click on the **Recording** tab and select **Show Disabled Devices** (clear by default).
3. The microphone appears on the **Recording** tab.
4. Right-click on the microphone and select **Enable**.
5. Select the microphone then click **Properties**. Select the **Levels** tab.
6. Increase the volume to the maximum setting and click **OK**.
7. Test the microphone hardware:
   a. Select the microphone and click **Configure**.
   b. Select **Set up microphone**.
   c. Select the microphone type from the list and click **Next**.
   d. Follow the onscreen prompts to complete the test.
8. If the Issue is still not resolved, see “Online Support Information” on page 179.

HDD Not Operating Correctly

If the **HDD** does not operate correctly, perform the following actions one at a time to correct the problem.

1. Disconnect all external devices.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. Run the Windows 7 Startup Repair Utility:
   a. insert the Windows 7 Operating System DVD in the ODD and restart the computer.
   b. When prompted, press any key to start to the operating system DVD.
   c. The **Install Windows** screen displays. Click **Next**.
   d. Select **Repair your computer**.
   e. The **System Recovery Options** screen displays. Click **Next**.
   f. Select the appropriate operating system, and click **Next**.

   NOTE: Click **Load Drivers** if controller drives are required.

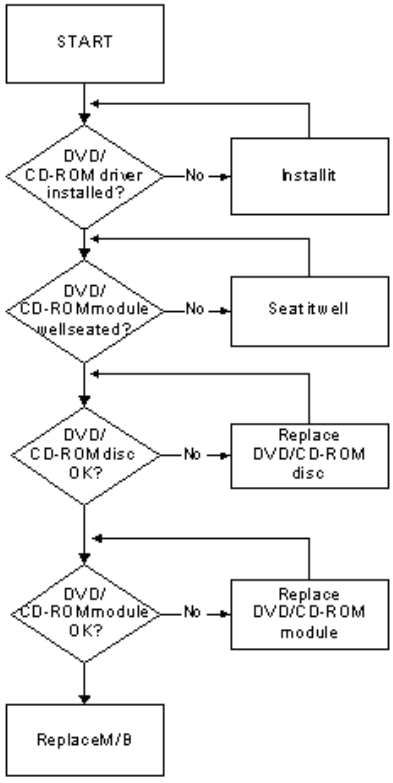
   g. Select **Startup Repair**.
   h. Startup Repair attempts to locate and resolve issues with the computer.
   i. When complete, click **Finish**.

   If an issue is discovered, follow the onscreen information to resolve the problem.
4. Run the Windows Memory Diagnostic Tool. For more information see Windows Help and Support.
5. Restart the computer and press F2 to enter the BIOS Utility. Check the BIOS settings are correct and that CD/DVD drive is set as the first boot device on the Boot menu.
6. Ensure all cables and jumpers on the HDD and ODD are set correctly.
7. Remove any recently added hardware and associated software.
8. Run the Windows Disk Defragmenter. For more information see Windows Help and Support.
9. Run Windows Check Disk by entering **chkdsk /r** from a command prompt. For more information see Windows Help and Support.
10. Restore system and file settings from a known good date using **System Restore**.

    If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
11. Replace the HDD. See “Main Unit Disassembly Flowchart” on page 55.

ODD Failure

If the **ODD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:



ODD Not Operating Correctly

If the **ODD** exhibits any of the following symptoms it may be faulty:

- Audio CDs do not play when loaded
- DVDs do not play when loaded
- Blank discs do not burn correctly
- DVD or CD play breaks up or jumps
- Optical drive not found or not active:
  - Not shown in My Computer or the BIOS setup
  - LED does not flash when the computer starts up
  - The tray does not eject
- Access failure screen displays
- The ODD is noisy

Perform the following general solutions one at a time to correct the problem.

1. Reboot the computer and retry the operation.
2. Try an alternate disc.
3. Navigate to **Start**→ **Computer**. Check that the ODD device is displayed in the **Devices with Removable Storage** panel.
4. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

a. Double-click **IDE ATA/ATAPI controllers**. If a device displays a down arrow, right-click on the device and click **Enable**.

b. Double-click **DVD/CD-ROM drives**. If the device displays a down arrow, right-click on the device and click **Enable**.

c. Check that there are no yellow exclamation marks against the items in **IDE ATA/ATAPI controllers**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

d. Check that there are no yellow exclamation marks against the items in **DVD/CD-ROM drives**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

e. If the exclamation marker is not removed from the item in the lists, try removing any recently installed software and retrying the operation.

Discs Do Not Play

If discs do not play when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Check that the disc is correctly seated in the drive tray and that the label on the disc is visible.
2. Check that the media is clean and scratch free.
3. Try an alternate disc in the drive.
4. Ensure that **AutoPlay** is enabled:
   a. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **AutoPlay**.
   b. Select **Use AutoPlay for all media and devices**.
   c. In the Audio CD and DVD Movie fields, select the desired player from the drop down menu.
5. Check that the Regional Code is correct for the selected media:

IMPORTANT: Region can only be changed a limited number of times. After Changes remaining reaches zero, the region cannot be changed even Windows is reinstalled or the drive is moved to another computer.

   a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.
   b. Double-click **DVD/CD-ROM drives**.
   c. Right-click **DVD drive** and click **Properties**, then click the **DVD Region** tab.
   d. Select the region suitable for the media inserted in the drive.

Discs Do Not Burn Properly

If discs can not be burned, perform the following actions one at a time to correct the problem.

1. Ensure that the default drive is record enabled:
   a. Navigate to **Start**→ **Computer** and right-click the writable ODD icon. Click **Properties**.
   b. Select the **Recording** tab. In the **Desktop disc recording** panel, select the writable ODD from the drop down list.
   c. Click **OK**.
2. Ensure that the software used for burning discs is the factory default. If using different software, refer to the software's user manual.

Playback is Choppy

If playback is choppy or jumps, perform the following actions one at a time to correct the problem.

1. Check that system resources are not running low:
   a. Try closing some applications.
   b. Reboot and try the operation again.
2. Check that the ODD controller transfer mode is set to DMA:
   a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

b. Double-click **IDE ATA/ATAPI controllers**, then right-click ATA Device 0.

c. Click **Properties** and select the **Advanced Settings** tab. Ensure that the **Enable DMA** box is checked and click **OK**.

d. Repeat for the other ATA Devices shown if applicable.

Drive Not Detected

If Windows cannot detect the drive, perform the following actions one at a time to correct the problem.

1. Restart the computer and press F2 to enter the BIOS Utility.
2. Check that the drive is detected in the **ATAPI Model Name** field on the Information page.
   NOTE: Check that the entry is identical to one of the ODDs specified in “Hardware Specifications and Configurations” on page 14.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Main Unit
4. Disassembly Flowchart” on page 55.
   a. Check for broken connectors on the drive, motherboard, and cables.
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.
   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
5. Reseat the drive ensuring and all cables are connected correctly.
6. Replace the ODD. See “Disassembly Process” on page 47.

Drive Read Failure

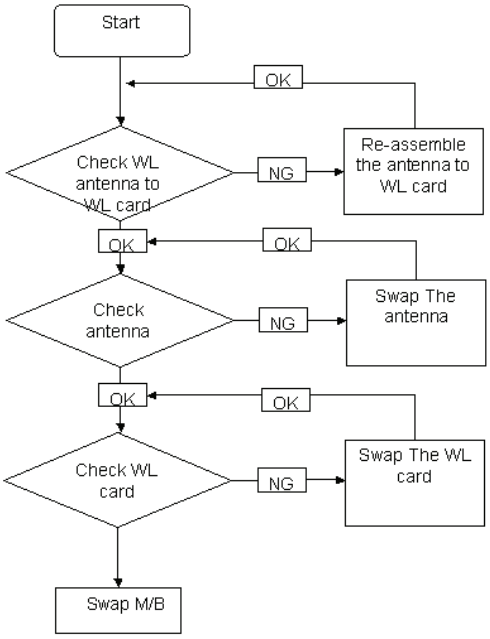
If discs cannot be read when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Remove and clean the failed disc.
2. Retry reading the CD or DVD.
   d. Test the drive using other discs.
   e. Play a DVD movie
   f. Listen to a music CD

   If the ODD works properly with alternate discs, the original disc is probably defective and should be replaced.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly
4. Process” on page 47.
   a. Check for broken connectors on the drive, motherboard, and cables.
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.
   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
5. Replace the ODD. See “Disassembly Process” on page 47.

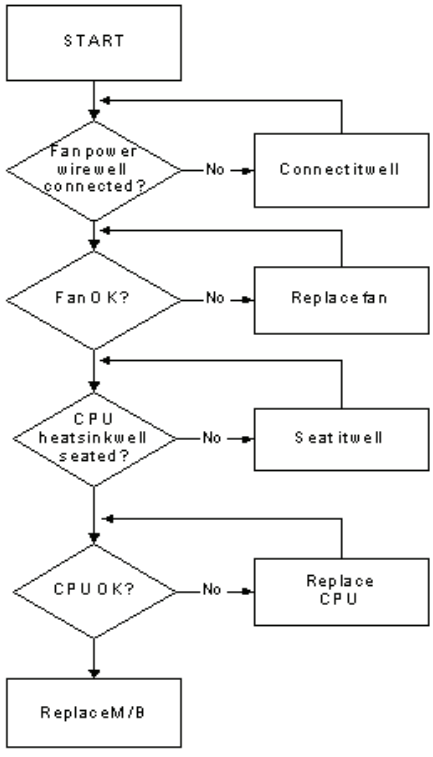
Wireless Function Failure

If the **WLAN** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:



Thermal Unit Failure

If the **Thermal Unit** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRU:



External Mouse Failure

If an external **Mouse** fails, perform the following actions one at a time to correct the problem.

1. Try an alternative mouse.
2. If the mouse uses a wireless connection, insert new batteries and confirm there is a good connection. See the mouse user manual.
3. If the mouse uses a USB connection, try an alternate USB port.
4. Try an alternative program to verify mouse operation. Reinstall the program experiencing mouse failure.
5. Restart the computer.
6. Remove any recently added hardware and associated software.
7. Remove any recently added software and reboot.
8. Restore system and file settings from a known good date using **System Restore**.

   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
9. Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
10. Roll back the mouse driver to the previous version if updated recently.
11. Remove and reinstall the mouse driver.
12. Check the Device Manager to determine that:
    - The device is properly installed. There are no red Xs or yellow exclamation marks.
    - There are no device conflicts.
    - No hardware is listed under Other Devices.
13. If the Issue is still not resolved, see “Online Support Information” on page 179.

Other Failures

If the CRT Switch, Dock, LAN Port, external MIC or Speakers, PCI Express Card, 5-in-1 Card Reader or Volume Wheel fail, perform the following general steps to correct the problem. Do not replace a non-defective FRUs:

1. Check Drive whether is OK.
2. Check Test Fixture is ok.
3. Swap M/B to Try.

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
2. If no error is detected, do not replace any FRU.
3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

NOTE: Verify that all attached devices are supported by the computer.

NOTE: Verify that the power supply being used at the time of the failure is operating correctly. (See “Power On Issue” on page 118.):

1. Power-off the computer.
2. Visually check them for damage. If any problems are found, replace the FRU.
3. Remove or disconnect all of the following devices:
    - Non-eMachines devices
    - Printer, mouse, and other external devices
    - Battery pack
    - Hard disk drive
    - DIMM
    - CD-ROM/Diskette drive Module
    - PC Cards
4. Power-on the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
    - System board
    - LCD assembly

Post Codes

These tables describe the POST codes and descriptions during the POST.

Post Code Range

Phase	POST Code Range
SEC	0x01 - 0x0F
PEI	0x70 - 0x9F
DXE	0x40 - 0x6F
BDS	0x10 - 0x3F
SMM	0xA0 - 0xBF
S3	0xC0 - 0xCF
ASL	0x51 – 0x55
	0xE1 – 0xE4
PostBDS	0xF9 – 0xFE
InsydeH2ODDT™ Reserve	0xD0 – 0xD7
OEM Reserve	0xE8 – 0xEB
Reserved	0xD8 – 0xE0
	0xE5 – 0xE7
	0xEC – 0xF8

SEC Phase POST Code Table

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
SEC_SYSTEM_POWER_ON	SEC	1	CPU power on and switch to Protected mode
SEC_BEFORE_MICROCODE_PATCH	SEC	2	Patching CPU microcode
SEC_AFTER_MICROCODE_PATCH	SEC	3	Setup Cache as RAM
SEC_ACCESS_CSR	SEC	4	PCIE MMIO Base Address initial
SEC_GENERIC_MSRINIT	SEC	5	CPU Generic MSR initialization
SEC_CPU_SPEEDCFG	SEC	6	Setup CPU speed
SEC_SETUP_CAR_OK	SEC	7	Cache as RAM test
SEC_FORCE_MAX_RATIO	SEC	8	Tune CPU frequency ratio to maximum level
SEC_GO_TO_SECSTARTUP	SEC	9	Setup BIOS ROM cache
SEC_GO_TO_PEICORE	SEC	0A	Enter Boot Firmware Volume

PEI Phase POST Code Table:

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
PEI_SIO_INIT	PEI	70	Super I/O Initialization
PEI_CPU_REG_INIT	PEI	71	CPU Early Initialization
PEI_PCIE_MMIO_INIT	PEI	74	PCIE MMIO BAR Initialization
PEI_NB_REG_INIT	PEI	75	North Bridge Early Initialization
PEI_SB_REG_INIT	PEI	76	South Bridge Early Initialization
PEI_TPM_INIT	PEI	78	TPM Initialization
PEI_SMBUS_INIT	PEI	79	SMBUS Early Initialization

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
PEI_PROGRAM_CLOCK_GEN	PEI	7A	Clock Generator Initialization
PEI_IGD_EARLY_INITIAL	PEI	7B	Internal Graphic device early Initialization
PEI_HECI_INIT	PEI	7C	HECI Initialization
PEI_WATCHDOG_INIT	PEI	7D	Watchdog timer Initialization
PEI_MEMORY_INIT	PEI	7E	Memory Initial for Normal boot.
PEI_MEMORY_INIT_FOR_CRISIS	PEI	7F	Memory Initial for Crisis Recovery
PEI_MEMORY_INSTALL	PEI	80	Simple Memory test
PEI_TXTPEI	PEI	81	TXT function early Initialization
PEI_SWITCH_STACK	PEI	82	Start to use Memory
PEI_MEMORY_CALLBACK	PEI	83	Set cache for physical memory
PEI_ENTER_RECOVERY_MODE	PEI	84	Recovery device Initialization
PEI_RECOVERY_MEDIA_FOUND	PEI	85	Found Recovery image
PEI_RECOVERY_MEDIA_NOT_FOUND	PEI	86	Recovery image not found
PEI_RECOVERY_LOAD_FILE_DONE	PEI	87	Load Recovery Image completed
PEI_RECOVERY_START_FLASH	PEI	88	Start Flash BIOS with Recovery image
PEI_ENTER_DXEIPL	PEI	89	Loading BIOS image to RAM
PEI_FINDING_DXE_CORE	PEI	8A	Loading DXE core
PEI_GO_TO_DXE_CORE	PEI	8B	Enter DXE core

DXE Phase POST Code Table:

Functionality Name (Include\ PostCode.h)	Phase	PostCode	Description
DXE_TCGDXE	DXE	40	TPM initial in DXE
DXE_SB_SPI_INIT	DXE	41	South bridge SPI initialization
DXE_CF9_RESET	DXE	42	Setup Reset service
DXE_SB_SERIAL_GPIO_INIT	DXE	43	South bridge Serial GPIO initialization
DXE_SMMACCESS	DXE	44	Setup SMM ACCE SS service
DXE_SIO_INIT	DXE	46	Super I/O DXE initialization
DXE_LEGACY_REGION	DXE	47	Setup Legacy Region service
DXE_IDENTIFY_FLASH_DEVICE	DXE	49	Identify Flash device
DXE_FTW_INIT	DXE	4A	Fault Tolerant Write verification
DXE_VARIABLE_INIT	DXE	4B	Variable Service initialization
DXE_VARIABLE_INIT_FAIL	DXE	4C	Fail to initial Variable Service
DXE_MTC_INIT	DXE	4D	MTC Initial
DXE_CPU_INIT	DXE	4E	CPU Middle Initialization
DXE_MP_CPU_INIT	DXE	4F	Multi-processor Middle Initialization
DXE_SMBUS_INIT	DXE	50	SMBUS Driver Initialization
DXE_SMART_TIMER_INIT	DXE	51	8259 Initialization
DXE_PCRTC_INIT	DXE	52	RTC Initialization
DXE_SATA_INIT	DXE	53	SATA Controller early Initialization

Functionality Name (Include\ PostCode.h)	Phase	PostCode	Description
DXE_SMM_CONTROLER_INIT	DXE	54	Setup SMM Control service
DXE_LEGACY_INTERRUPT	DXE	55	Setup Legacy Interrupt service
DXE_RELOCATE_SMBASE	DXE	56	Relocate SMM BASE
DXE_FIRST_SMI	DXE	57	SMI test
DXE_VTD_INIT	DXE	58	VTD Initial
DXE_BEFORE_CSM16_INIT	DXE	59	Legacy BIOS Initialization
DXE_AFTER_CSM16_INIT	DXE	5A	Legacy interrupt function Initialization
DXE_LOAD_ACPI_TABLE	DXE	5B	ACPI Table Initialization
DXE_SB_DISPATCH	DXE	5C	Setup SB SMM Dispatcher service
DXE_SB_IOTRAP_INIT	DXE	5D	Setup SB IOTRAP Service
DXE_SUBCLASS_DRIVER	DXE	5E	Build AMT Table
DXE_PPM_INIT	DXE	5F	PPM Initialization
DXE_HECIDRV_INIT	DXE	60	HECIDRV Initialization

BDS Phase POST Code Table:

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
BDS_ENTER_BDS	BDS	10	Enter BDS entry
BDS_INSTALL_HOTKEY	BDS	11	Install Hotkey service
BDS_ASF_INIT	BDS	12	ASF Initialization
BDS_PCI_ENUMERATION_START	BDS	13	PCI enumeration
BDS_BEFORE_PCIIO_INSTALL	BDS	14	PCI resource assign complete
BDS_PCI_ENUMERATION_END	BDS	15	PCI enumeration complete
BDS_CONNECT_CONSOLE_IN	BDS	16	Keyboard Controller, Keyboard and Mouse initialization
BDS_CONNECT_CONSOLE_OUT	BDS	17	Video device initialization
BDS_CONNECT_STD_ERR	BDS	18	Error report device initialization
BDS_CONNECT_USB_HC	BDS	19	USB host controller initialization
BDS_CONNECT_USB_BUS	BDS	1A	USB BUS driver initialization
BDS_CONNECT_USB_DEVICE	BDS	1B	USB device driver initialization
BDS_NO_CONSOLE_ACTION	BDS	1C	Console device initial fail
BDS_DISPLAY_LOGO_SYSTEM_INFO	BDS	1D	Display logo or system information
BDS_START_IDE_CONTROLLER	BDS	1E	IDE controller initialization
BDS_START_SATA_CONTROLLER	BDS	1F	SATA controller initialization
BDS_START_ISA_ACPI_CONTROLLER	BDS	20	SIO controller initialization
BDS_START_ISA_BUS	BDS	21	ISA BUS driver initialization
BDS_START_ISA_FDD	BDS	22	Floppy device initialization
BDS_START_ISA_SEIRAL	BDS	23	Serial device initialization
BDS_START_IDE_BUS	BDS	24	IDE device initialization
BDS_START_AHCI_BUS	BDS	25	AHCI device initialization
BDS_CONNECT_LEGACY_ROM	BDS	26	Dispatch option ROMs
BDS_ENUMERATE_ALL_BOOT_OPTION	BDS	27	Get boot device information

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
BDS_END_OF_BOOT_SELECTION	BDS	28	End of boot selection
BDS_ENTER_SETUP	BDS	29	Enter Setup Menu
BDS_ENTER_BOOT_MANAGER	BDS	2A	Enter Boot manager
BDS_BOOT_DEVICE_SELECT	BDS	2B	Try to boot system to OS
BDS_EFI64_SHADOW_ALL_LEGACY_ROM	BDS	2C	Shadow Misc Option ROM
BDS_ACPI_S3SAVE	BDS	2D	Save S3 resume required data in RAM
BDS_READY_TO_BOOT_EVENT	BDS	2E	Last Chipset initial before boot to OS
BDS_GO_LEGACY_BOOT	BDS	2F	Start to boot Legacy OS
BDS_GO_UEFI_BOOT	BDS	30	Start to boot UEFI OS
BDS_LEGACY16_PREPARE_TO_BOOT	BDS	31	Prepare to Boot to Legacy OS
BDS_EXIT_BOOT_SERVICES	BDS	32	Send END of POST Message to ME via HECI
BDS_LEGACY_BOOT_EVENT	BDS	33	Last Chipset initial before boot to Legacy OS.
BDS_ENTER_LEGACY_16_BOOT	BDS	34	Ready to Boot Legacy OS.
BDS_RECOVERY_START_FLASH	BDS	35	Fast Recovery Start Flash.

PostBDS POST Code Table

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
POST_BDS_NO_BOOT_DEVICE	POST_BDS	F9	No Boot Device
POST_BDS_START_IMAGE	POST_BDS	FB	UEFI Boot Start Image
POST_BDS_ENTER_INT19	POST_BDS	FD	Legacy 16 boot entry
POST_BDS_JUMP_BOOT_SECTOR	POST_BDS	FE	Try to Boot with INT 19

S3 Functions POST Code Table

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
POST_BDS_NO_BOOT_DEVICE	POST_BDS	F9	No Boot Device
POST_BDS_START_IMAGE	POST_BDS	FB	UEFI Boot Start Image
POST_BDS_ENTER_INT19	POST_BDS	FD	Legacy 16 boot entry
POST_BDS_JUMP_BOOT_SECTOR	POST_BDS	FE	Try to Boot with INT 19

ACPI Functions POST Code Table

Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
ASL_ENTER_S1	ASL	51	Prepare to enter S1
ASL_ENTER_S3	ASL	53	Prepare to enter S3
ASL_ENTER_S4	ASL	54	Prepare to enter S4
ASL_ENTER_S5	ASL	55	Prepare to enter S5
ASL_WAKEUP_S1	ASL	E1	System wakeup from S1
ASL_WAKEUP_S3	ASL	E3	System wakeup from S3
ASL_WAKEUP_S4	ASL	E4	System wakeup from S4

SMM Functions POST Code Table

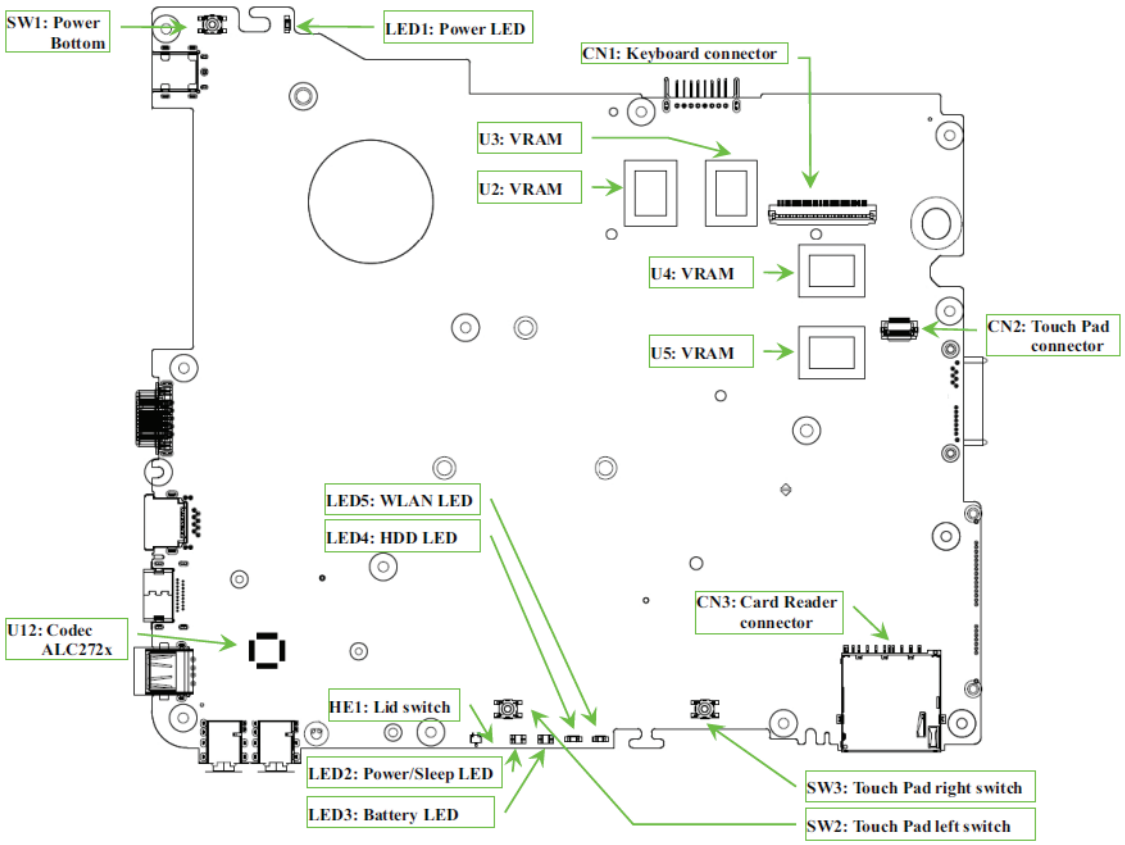
Functionality Name (Include\ PostCode.h)	Phase	Post Code	Description
SMM_IDENTIFY_FLASH_DEVICE	SMM	0xA0	Identify Flash device in SMM
SMM_SMM_PLATFORM_INIT	SMM	0xA2	SMM service initial
SMM_ACPI_ENABLE_START	SMM	0xA6	OS call ACPI enable function
SMM_ACPI_ENABLE_END	SMM	0xA7	ACPI enable function complete
SMM_S1_SLEEP_CALLBACK	SMM	0xA1	Enter S1
SMM_S3_SLEEP_CALLBACK	SMM	0xA3	Enter S3
SMM_S4_SLEEP_CALLBACK	SMM	0xA4	Enter S4
SMM_S5_SLEEP_CALLBACK	SMM	0xA5	Enter S5
SMM_ACPI_DISABLE_START	SMM	0xA8	OS call ACPI disable function
SMM_ACPI_DISABLE_END	SMM	0xA9	ACPI disable function complete

InsydeH2ODDT Debugger POST Code Table

Functionality Name (Include\ PostCode.h)	PostCode	Description
Used by Insyde debugger	0x0D	Waiting for device connect
Used by Insyde debugger	0xD0	Waiting for device connect
Used by Insyde debugger	0xD1	InsydeH2ODDT Ready
Used by Insyde debugger	0xD2	EHCI not found
Used by Insyde debugger	0xD3	Debug port connect low speed device
Used by Insyde debugger	0xD4	DDT Cable become low speed device
Used by Insyde debugger	0xD5	DDT Cable Transmission Error (Get descriptor fail)
Used by Insyde debugger	0xD6	DDT Cable Transmission Error (Set Debug mode fail)
Used by Insyde debugger	0xD7	DDT Cable Transmission Error (Set address fail)

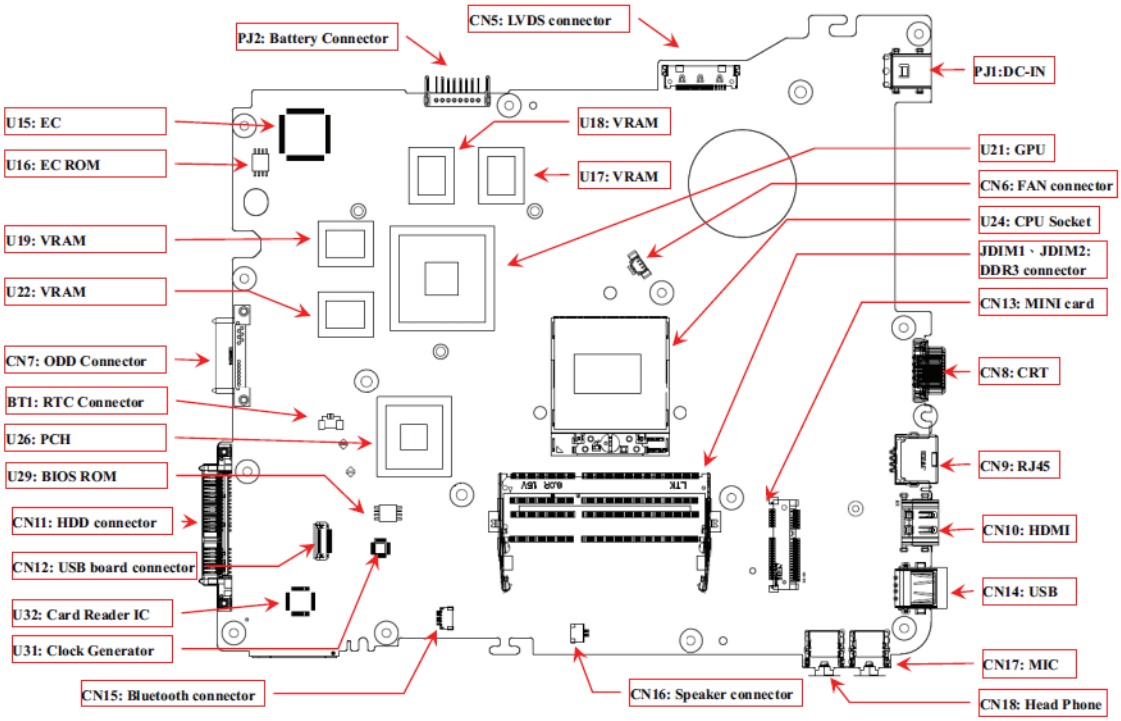
Jumper and Connector Locations

Top View



Item	Description	Item	Description
SW1	Power Button	CN3	Card Reader connector
U12	Codec ALC272x	CN2	Touchpad connector
LED3	Battery LED	U5	VRAM
LED2	Power/Sleep LED	U4	VRAM
HE1	Lid switch	CN1	Keyboard connector
LED4	HDD LED	U2	VRAM
LED5	WLAN LED	U3	VRAM
SW2	Touchpad left switch	LED1	Power LED
SW3	Touchpad right switch		

Bottom View



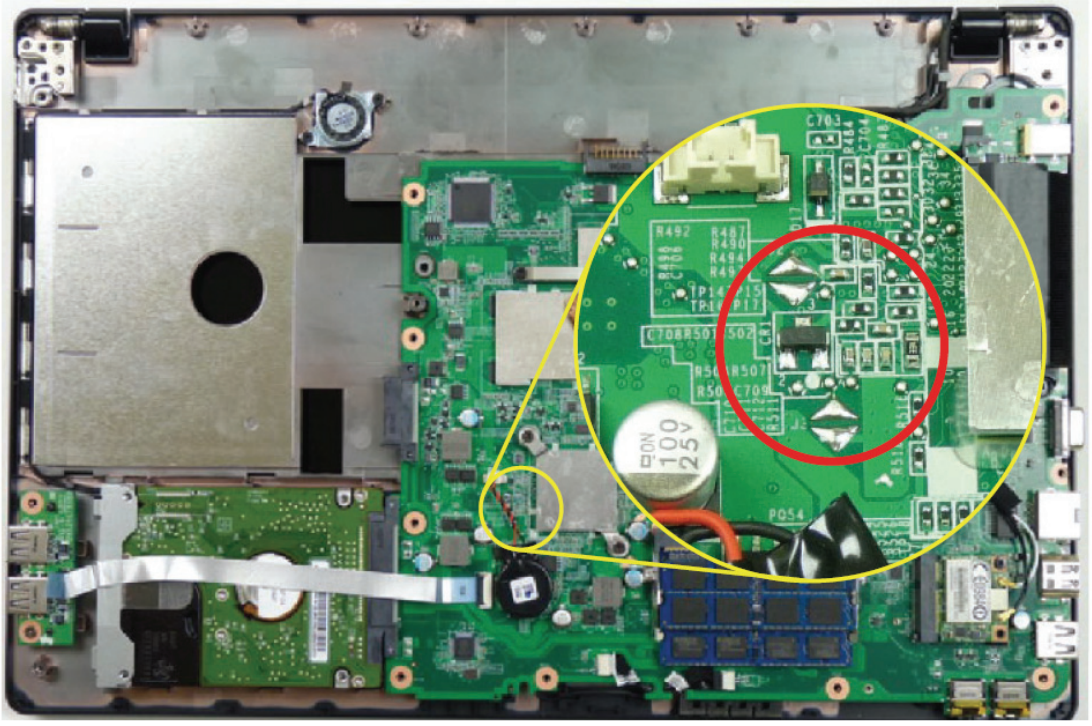
Item	Description	Item	Description
U15	EC	CN17	MIC
U16	EC ROM	CN14	USB
U19	VRAM	CN10	HDMI
U22	VRAM	CN9	RJ45
CN7	ODD Connector	CN8	CRT
BT1	RTC Connector	CN13	MINI card
U26	PCH	JDIM1/ JDIM2	DDR3 connector
U29	BIOS ROM	U24	CPU socket
CN11	HDD connector	CN6	FAN connector
CN12	USB board connector	U21	GPU
U32	Card Reader IC	PJ1	DC-IN
U31	Clock Generator	U18	VRAM
CN15	Bluetooth connector	U17	VRAM
CN16	Speaker connector	CN5	LVDS connector
CN18	Head phone	PJ2	Battery connector

Clearing Password Check and BIOS Recovery

This section provide you the standard operating procedures of clearing password and BIOS recovery for eMachines E732 series. eMachines provides one Hardware Open Gap on the mainboard for clearing password check, and one Hotkey for enabling BIOS Recovery.

Clearing Password Check

Hardware Open Gap Description is as follows:



Item	Description
J1 / J2	Clearn CMOS jumper

Steps for Clearing BIOS Password Check

If users set BIOS Password (Supervisor Password and/or User Password) for a security reason, BIOS will ask the password during systems POST or when systems enter to BIOS Setup menu. However, once it is necessary to bypass the password check, users need to short the HW Gap to clear the password by the following steps:

1. Power Off the system, and remove HDD, AC, Battery and DIMMs from the machine.
2. Open the Bottom Cover of the machine and locate the J1 and J2 jumpers.
3. Use an electric conductivity tool to short the two points of the HW Gap.
4. Plug in AC, keep the short condition on the HW Gap, and press Power Button to power on the system until BIOS POST is finished. Then remove the tool from the HW Gap.
5. Restart system. Press **F2** key to enter BIOS Setup menu.
6. If there is no Password request, BIOS Password is cleared. Otherwise, please follow the steps and try again.

NOTE: These steps are only for clearing BIOS Password (Supervisor Password and User Password).

BIOS Recovery by Crisis Disk

BIOS Recovery Boot Block:

BIOS Recovery Boot Block is a special block of BIOS. It is used to boot up the system with minimum BIOS initialization. Users can enable this feature to restore the BIOS firmware to a successful one once the previous BIOS flashing process failed.

BIOS Recovery Hotkey:

The system provides a function hotkey: Fn+Esc, to enable the BIOS Recovery process when the system is powered on during BIOS POST. To use this function, it is strongly recommended to have the AC adapter and Battery present. If this function is enabled, the system will force the BIOS to enter a special BIOS block, called Boot Block.

Steps for BIOS Recovery from USB Storage:

Before doing this, prepare the Crisis USB key. The Crisis USB key could be made by executing the Crisis Disk program in another system with Windows XP OS.

Follow the steps below:

1. Format the USB storage disk using the Fast Format option.
2. Save ROM file (file name: ZQ8x64.fd) to the root directory of USB storage. Make sure that there is no other BIOS file saved in the same directory.
3. Plug USB storage into USB port.
4. Press Fn + ESC button then plug in AC power. The Power button flashes once.
5. Press Power button to initiate system CRISIS mode. When CRISIS is complete, the system auto restarts with a workable BIOS.
6. Update the latest version BIOS for this machine by regular BIOS flashing process.

FRU (Field Replaceable Unit) List

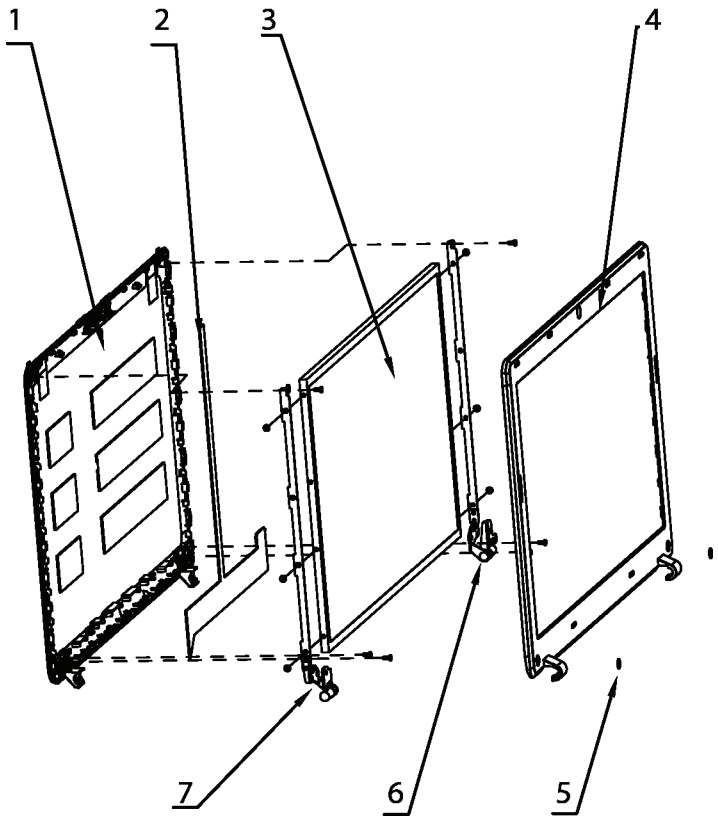
This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of eMachines E732 series. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

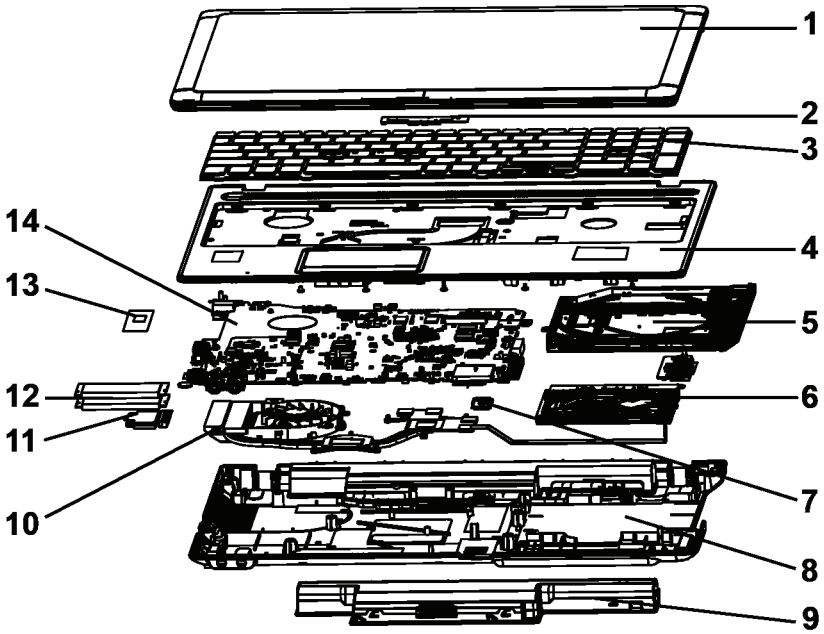
eMachines E732 series Exploded Diagrams

LCD Assembly



No.	Description	Acer P/N	No.	Description	Acer P/N
1	LCD COVER W/ ANT*2 BLACK	60.NCE07.003	5	LCD SCREW MYLAR	47.R6Z07.003
2	LCD CABLE FOR CCD	50.NCE07.002	6	LCD BRACKET W/ HINGE - R	33.NCE07.003
3	LCD PANEL	LK.15605.010	7	LCD BRACKET W/ HINGE - L	33.NCE07.002
4	LCD BEZEL FOR CCD	60.NCE07.004			

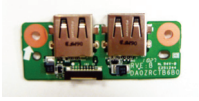
Chassis Assembly



No.	Description	Acer P/N	No.	Description	Acer P/N
1	LCD MODULE	6M.NCE07.003	8	LOWER CASE	60.NCE07.002
2	CCD	AM.21400.068	9	BATTERY	BT.00606.008
3	KEYBOARD	KB.I170A.172	10	THERMAL MODULE 15W - DIS PARK	60.NCE07.010
4	UPPER CASE	60.NCE07.001	11	WLAN	NI.23600.074
5	ODD	6M.NCE07.001	12	MEMORY	KN.1GB07.004
6	HDD	KH.16001.045	13	CPU	KC.35001.DMP
7	BT ASSY	BH.21100.010	14	MAIN BOARD PARK 512 HM55 W/CARD READER	MB.NC806.001

eMachines E732 series FRU List

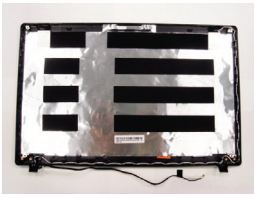
Category	Description	P/N
ADAPTER		
	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow ADP-65JH DB A, LV5 LED LF	AP.06501.026
	Adapter LITE-ON 65W 19V 1.7x5.5x11 Yellow PA-1650-22AC LV5 LED LF	AP.06503.024
	Adapter HIPRO 65W 19V 1.7x5.5x11 Yellow HP-A0652R3B 1LF, LV5 LED LF	AP.0650A.012
	Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF	AP.09003.021
	Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF	AP.0900A.005
	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow ADP-65VH BA, LV5, Low profile LED LF	AP.06501.033
	Adapter Chicony Power 65W 19V 1.7x5.5x11 Yellow CPA09-A065N1, LV5, low profile LED LF	AP.0650A.017
	Adapter LITE-ON 65W 19V 1.7x5.5x11 Yellow PA-1650-69AW, LV5, Low profile LED LF	AP.06503.029
	Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DBH, LV5 LED LF	AP.09001.031
	Adapter DELTA 120W-DE 19V 1.7x5.5x11 Green ADP-120ZB BBGB, LV5+OBL LED LF	AP.12001.009
	Adapter LITE-ON 120W-DE 19V 1.7x5.5x11 Green PA-1121-04AC, LV5+OBL LED LF	AP.12003.003
BATTERY		
	Battery SAMSUNG AS10D Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON ID:AS10D61	BT.00606.008
	Battery SANYO AS10D Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON ID:AS10D31	BT.00603.111
	Battery SONY AS10D Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON ID:AS10D41	BT.00604.049
	Battery PANASONIC AS10D Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON ID:AS10D51	BT.00605.062
	Battery SIMPLO AS10D Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON ID:AS10D71	BT.00607.125
	Battery SIMPLO AS10D Li-Ion 3S2P LGC 6 cell 4400mAh Main COMMON ID:AS10D73	BT.00607.126
	Battery SIMPLO AS10D Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON ID:AS10D	BT.00607.127
BOARD		
	Foxconn Bluetooth BRM 2070 (T77H114.01) BT 3.0	BH.21100.010
	Foxconn Bluetooth BRM 2046 BT3.0 (T60H928.33) f/w:861	BH.21100.008
	Foxconn Bluetooth ATH AR3011 (BT3.0)	BH.21100.009

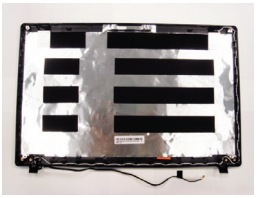
Category	Description	P/N
	QMI Wireless LAN Atheros HB97 2x2 BGN (HM)	NI.23600.074
	Foxconn Wireless LAN Atheros HB97 2x2 BGN (HM)	NI.23600.072
	Foxconn Wirelss LAN Atheros HB95BG (HM) T77H121.10	NI.23600.077
	Foxconn Wireless LAN Broadcomm 43225 2x2 BGN (HM) T77H103.00	NI.23600.066
	WiMax Intel WLAN 622AGXHRUG Kilmer Peak 2x2 ABG	KI.KPH01.002
	WiMax Intel WLAN 622ANXHMWG Kilmer Peak 2x2 AGN	KI.KPH01.001
	USB BOARD	55.NCE07.001
CABLE		
	PWR CORD V943B30001218008 DANISH 3P	27.A03V7.006
	PWR CORD(ISR)1.8M 3PBLK FZ0I0008-038	27.TATV7.005
	PWR CORD V50CB3T3012180QD TW-110V,3P	27.A99V7.002
	POWER CORD(SWI)1.8M 3PBLACK FZ010008-011	27.A99V7.004
	POWER CORD(IT) 1.8M 3PBLACK FZ010008-008	27.A99V7.005
	POWER CORD(S.A) 1.8M 3BLACK FZ010008-006	27.T48V7.001
	POWER CORD US 3PIN ROHS	27.TAXV7.001
	POWER CORD(EU) 1.8M 3PBLACK FM010008-010	27.TATV7.001
	POWER CORD BRAZIL IMETRO 3 PIN	27.S0607.001
	POWER CORD UK 3PIN	27.A03V7.004
	POWER CORD ITALIAN 3PIN	27.A99V7.005
	POWER CORD PRC 3P Y536B30001218008	27.TATV7.004
	POWER CORD AU W/LABEL (3 PIN)	27.A50V7.003
	POWER CORD JAPAN	27.TAXV7.003
	BLUETOOTH CABLE	50.PSR07.001
	BLUETOOTH CABLE (FOR BT3.0 BRM2070)	50.TVM07.002
	CABLE - FFC USB	50.NCE07.003
CASE/COVER/BRACKET ASSEMBLY		
	UPPER CASE W/ SPK,TP, TP FFC	60.NCE07.001
	TOUCH PAD	56.R6Z07.001
	CABLE - FFC TP	50.NCE07.001
	SPEAKER	23.NCE07.001

Category	Description	P/N
CASE/COVER/BRACKET ASSEMBLY		
	LOWER CASE	60.NCE07.002
	DUMMY CARD	42.TVM07.002
CPU/PROCESSOR		
	CPU Intel Core i3 350M PGA 2.26G 35W Arrandale, TJ90, VT, 3M L3	KC.35001.DMP
	CPU Intel Core i3 350M PGA 2.26G 35W K-0 TJ90, VT	KC.35K01.DMP
	CPU Intel Core i3 370M PGA 2.4G 35W K-0 TJ90, VT	KC.37K01.DMP
	CPU Intel Core i3 370M PGA 2.4G 35W K-0 TJ90, VT	KC.37K01.DMP
	CPU Intel Pentium Dual-Core P6100 PGA 2.0G 35W K0 Max DDR3-1066	KC.61001.DPP
	CPU Intel Pentium Dual-Core P6200 PGA 2.13G 35W K0 Max DDR3-1066	KC.62001.DPP
	CPU Intel Pentium Dual-Core P6100 PGA 2.0G 35W K0 Max DDR3-1066	KC.61001.DPP
DVD RW DRIVE		
	DVD/RW SUPER MULTI SATA MODULE 12.7mm Tray DL 8X	6M.NCE07.001
	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633F LF W/O bezel SATA (HF + Windows 7)	KU.00801.040
	ODD PANASONIC Super-Multi DRIVE 12.7mm Tray DL 8X UJ8A0 LF W/O bezel SATA (HF + Windows 7) Foxconn Yentai Facotry	KU.00807.075
	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT32N (R5-2) LF W/O bezel SATA with Renesas solution + PCC LD (HF + Windows 7)	KU.0080D.055
	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)	KU.0080E.027
	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A5SH LF+HF W/O bezel SATA With TI + Rohm Solution (HF + Windows 7)	KU.0080F.014
	ODD BEZEL - SUPER MULTI	42.NCE07.001
	ODD BRACKET	33.PUM07.001

Category	Description	P/N
HDD/HARD DISK DRIVE		
	HDD SEAGATE 2.5" 5400rpm 160GB ST9160314AS,9HH13C-189, Seagate(new pcb) SATA 8MB LF F/W:0001SDM1	KH.16001.045
	HDD HGST 2.5" 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.16007.026
	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22A23T0 , WD, ML320S SATA 8MB LF F/W:01.01A01	KH.16008.027
	HDD TOSHIBA 2.5" 5400rpm 250GB MK2565GSX, Capricorn BS, 320G/P SATA 8MB LF F/W:GJ001J	KH.25004.005
	HDD HGST 2.5" 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.25007.016
	HDD WD 2.5" 5400rpm 250GB WD2500BEVT-22A23T0, WD, ML320S SATA 8MB LF F/W:01.01A01.	KH.25008.025
	HDD SEAGATE 2.5" 5400rpm 250GB ST9250315AS, 9HH132-189, Wyatt with new pcb SATA 8MB LF F/ W:0001SDM1	KH.25001.019
	HDD HGST 2.5" 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.32007.008
	HDD WD 2.5" 5400rpm 320GB WD3200BPVT-22ZEST0, ML320S, 4K drive SATA 8MB LF F/W: 01.01A01	KH.32008.022
	HDD SEAGATE 2.5" 5400rpm 320GB ST9320310AS,9RN132-188, Cameron 320G/P SATA 8MB LF F/W:0001SDM1	KH.32001.019
	HDD HGST 2.5" 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.50007.010
	HDD WD 2.5" 5400rpm 500GB WD5000BEVT-22A0RT0, ML320M,WD SATA 8MB LF F/W:01.01A01	KH.50008.017
	HDD SEAGATE 2.5" 5400rpm 500GB ST9500325AS,9HH134-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.50001.017
	HDD WD 2.5" 5400rpm 640GB WD6400BEVT-22A0RT0, ML320 SATA 8MB LF F/W:01.01A01	KH.64008.004
	HDD WD 2.5" 5400rpm 640GB WD6400BPVT-22HXZT1, ML375M SATA 8MB LF F/W: 01.01A01	KH.64008.005
	HDD WD 2.5" 5400rpm 750GB WD7500BPVT-22HXZT1, ML375M, 4K drive SATA 8MB LF F/W:01.01A01	KH.75008.009
	HDD BRACKET	33.NCE07.001
KEYBOARD		
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black US International Texture	KB.I170A.172
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black Chinese Texture	KB.I170A.151
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black Greek Texture	KB.I170A.156
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black Thailand Texture	KB.I170A.169

Category	Description	P/N
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black SLO/CRO Texture	KB.I170A.165
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black CZ/SK Texture	KB.I170A.150
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Hungarian Texture	KB.I170A.157
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Brazilian Portuguese Texture	KB.I170A.149
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black Russian Texture	KB.I170A.164
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Turkish Texture	KB.I170A.170
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Belgium Texture	KB.I170A.148
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Sweden Texture	KB.I170A.167
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black UK Texture	KB.I170A.171
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black French Texture	KB.I170A.154
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black German Texture	KB.I170A.155
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Italian Texture	KB.I170A.158
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 107KS Black Japanese Texture	KB.I170A.159
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black US w/ Canadian French Texture	KB.I170A.174
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Danish Texture	KB.I170A.152
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Nordic Texture	KB.I170A.161
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Spanish Texture	KB.I170A.166
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black Arabic Texture	KB.I170A.147
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black FR/Arabic Texture	KB.I170A.153
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Swiss/G Texture	KB.I170A.168
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Portuguese Texture	KB.I170A.163
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black US International w/ Hebrew Texture	KB.I170A.173
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 104KS Black Norwegian Texture	KB.I170A.162
	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard 103KS Black Korean Texture	KB.I170A.160

Category	Description	P/N
LCD		
	LCD MODULE 15.6 IN. LED WXGA GLARE W/CCD ANTENNA*2 BLACK	6M.NCE07.002
	LED LCD AUO 15.6"W WXGA Glare B156XW02 V2 LF 200nit 8ms 500:1 (power saving)	LK.15605.010
	LED LCD SAMSUNG 15.6"W WXGA Glare LTN156AT02-A04 LF 220nit 8ms 500:1	LK.15606.009
	LED LCD LPL 15.6"W WXGA Glare LP156WH2-TLEA LF 220nit 16ms 500:1 (color engine)	LK.15608.011
	LED LCD CMO 15.6"W WXGA Glare N156B6-L0B LF 220nit 8ms 650:1	LK.1560D.010
	LCD COVER W/ANT*2 BLACK	60.NCE07.003
	LCD BEZEL FOR CCD	60.NCE07.004
	LCD CABLE FOR CCD	50.NCE07.002
	LCD BRACKET W/ HINGE - L	33.NCE07.002
	LCD BRACKET W/ HINGE - R	33.NCE07.003
	Suyin 1.3M SY9665SN	AM.21400.068
	Chicony 1.3M CH9665SN (CNF9157)	AM.21400.067
	Liteon 1.3M LT9665AL (09P2SF119)	AM.21400.069
	Liteon 1.3M LT6AASP(09P2BF127)	AM.21400.070
LCD		
	LCD MODULE 15.6 IN. LED WXGA GLARE W/O CCD ANTENNA*2 BLACK	6M.NCE07.003
	LED LCD AUO 15.6"W WXGA Glare B156XW02 V2 LF 200nit 8ms 500:1 (power saving)	LK.15605.010
	LED LCD SAMSUNG 15.6"W WXGA Glare LTN156AT02-A04 LF 220nit 8ms 500:1	LK.15606.009
	LED LCD LPL 15.6"W WXGA Glare LP156WH2-TLEA LF 220nit 16ms 500:1 (color engine)	LK.15608.011
	LED LCD CMO 15.6"W WXGA Glare N156B6-L0B LF 220nit 8ms 650:1	LK.1560D.010

Category	Description	P/N
	LCD COVER W/ANT*2 BLACK	60.NCE07.003
	LCD BEZEL FOR NON CCD	60.NCE07.005
	LCD CABLE FOR NON CCD	60.NCE07.006
	LCD BRACKET W/ HINGE - L	33.NCE07.002
	LCD BRACKET W/ HINGE - R	33.NCE07.003
MAINBOARD		
	MAIN BOARD PARK 512 HM55 W/CARD READER	MB.NC806.001
	MAIN BOARD UMA HM55 W/CARD READER	MB.NCA06.001

Category	Description	P/N
MEMORY		
	Memory KINGSTON SO-DIMM DDRIII 1333 1GB ACR128X64D3S1333C9 LF 128*8 0.065um	KN.1GB07.004
	Memory SAMSUNG SO-DIMM DDRIII 1333 1GB M471B2873FHS-CH9 LF 128*8 46nm	KN.1GB0B.035
	Memory HYNIX SO-DIMM DDRIII 1333 1GB HMT112S6TFR8C-H9 LF 128*8 0.055um	KN.1GB0G.026
	Memory UNIFOSA SO-DIMM DDRIII 1333 1GB GU672203EP0200 LF 128*8 0.065um	KN.1GB0H.017
	Memory NANYA SO-DIMM DDRIII 1333 2GB NT2GC64B88B0NS-CG LF 256*8 0.055um	KN.2GB03.021
	Memory MICRON SO-DIMM DDRIII 1333 2GB MT8JSF25664HZ-1G4D1 LF 256*8 0.055um	KN.2GB04.017
	Memory KINGSTON SO-DIMM DDRIII 1333 2GB ACR256X64D3S1333C9 LF 128*8 0.065um	KN.2GB07.004
	Memory ELPIDA SO-DIMM DDRIII 1333 2GB EBJ21UE8BFU0-DJ-F LF 128*8 0.065um	KN.2GB09.009
	Memory SAMSUNG SO-DIMM DDRIII 1333 2GB M471B5773CHS-CH9 LF 256*8 46nm	KN.2GB0B.026
	Memory HYNIX SO-DIMM DDRIII 1333 2GB HMT325S6BFR8C-H9 LF 256*8 46nm	KN.2GB0G.018
	Memory SAMSUNG SO-DIMM DDRIII 1066 4GB M471B5273BH1-CF8 LF 256*8 0.055um	KN.4GB0B.007
	Memory ELPIDA SO-DIMM DDRIII 1333 4GB EBJ41UF8BAS0-DJ-F LF 256*8 0.055um	KN.4GB09.001
	Memory SAMSUNG SO-DIMM DDRIII 1333 4GB M471B5273CH0-CH9 LF 256*8 46nm	KN.4GB0B.010
	Memory HYNIX SO-DIMM DDRIII 1333 4GB HMT351S6BFR8C-H9 LF 256*8 46nm	KN.4GB0G.004
HEATSINK		
	THERMAL MODULE 35W - UMA	60.NCE07.007
	THERMAL MODULE 35W - DIS MADISON	60.NCE07.008
	THERMAL MODULE 15W - DIS PARK	60.NCE07.010
	PCH HEATSINK	60.NCE07.009
MISCELLANEOUS		
	BEZEL RUBBER SMALL	47.NCE07.001
	BEZEL RUBBER BIG	47.NCE07.002
	BASE FOOT RUBBER FRONT	47.NCE07.003
	BASE FOOT RUBBER REAR	47.NCE07.004
	TOP HDD RUBBER	47.NCE07.005
	LCD SCREW MYLAR	47.R6Z07.003
	BLUETOOTH MYLAR	47.TWC07.006

Screw List

Category	Description	P/N
SCREW		
	SCREW M2.0*3.95-I(BNI)(NYLOK)	86.R6Z07.002
	SCREW M2.5*4.0-I(NYLOK)EU	86.T23V7.009
	SCREW M2.5*6-I(BNI)(NYLOK)	86.A08V7.004
	SCREW M2.0*3.0-I(BZN)(NYLOK)	86.PVY07.002
	SCREW M3*0.5+3.5I	86.N1407.007
	SCREW M2.0*3.0-I(BKAG)(NYLOK IRON	86.ARE07.002

Model Definition and Configuration

eME732

Model	RO	Country	Acer Part No	Description
eME732-352G32Mnkk	WW	WW	S2.NCA02.001	eME732-352G32Mnkk W7HP64eSWW1 UMACkk_3V3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_AN_ES63
eME732-352G32Mnkk	WW	WW	S2.NCE02.001	eME732-352G32Mnkk W7HP64eSWW1 UMAkk_3V3 1*2G/320/6L2.2/2R/ CB_bgn_AN_ES63
eME732-372G16Mikk	EMEA	Russia	LX.NCA0C.006	eME732-372G16Mikk LINPUS MeRU1 UMACkk_3 1*2G/160/6L2.2/2R/ CB_bg_1.3C_AN_RU81
eME732-372G16Mnkk	EMEA	UK	LX.NCA02.004	eME732-372G16Mnkk W7HP64eSGB1 UMACkk_3 1*2G/160/6L2.2/2R/ CB_bgn_1.3C_AN_EN11
eME732-372G25Mikk	EMEA	Russia	LX.NCA0C.002	eME732-372G25Mikk LINPUS MeRU1 UMACkk_3 1*2G/250/6L2.2/2R/ CB_bg_1.3C_AN_RU81
eME732-372G25Mnkk	PA	ACLA-Spain	LX.NCA0C.007	eME732-372G25Mnkk LINPUS MeEA1 UMACkk_3 1*2G/250/6L2.2/2R/ CB_bgn_1.3C_AN_XS41
eME732-372G25Mnkk	AAP	India	LX.NCA0C.003	eME732-372G25Mnkk LINPUS MeIN1 UMACkk_3 1*2G/250/BT/6L2.2/2R/ CB_bgn_1.3C_AN_XS12
eME732-372G25Mnkk	AAP	India	LX.NCA0C.009	eME732-372G25Mnkk LINPUS MeIN1 UMACkk_3 1*2G/250/6L2.2/2R/ CB_bgn_1.3C_AN_XS12SKU 2
eME732-372G25Mnkk	EMEA	Poland	LX.NCA02.002	eME732-372G25Mnkk W7HP64eSPL1 UMACkk_3 1*2G/250/6L2.2/2R/ CB_bgn_1.3C_AN_PL11
eME732-372G25Mnkk	EMEA	South Africa	LX.NCA01.006	eME732-372G25Mnkk EM W7HB64EMeSZA2 UMACkk_3 1*2G/ 250/6L2.2/2R/CB_bgn_1.3C_AN_ES62
eME732-372G32Mnkk	PA	ACLA-Spain	LX.NCA01.007	eME732-372G32Mnkk EM W7HB64EMeSEA1 UMACkk_3 1*2G/ 320/6L2.2/2R/CB_bgn_1.3C_AN_ES51
eME732-372G32Mnkk	AAP	Japan	LX.NCA02.007	eME732-372G32Mnkk W7HP64eP2JP1 UMACkk_3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_AN_JA11
eME732-372G32Mnkk	AAP	Japan	LX.NCE02.001	eME732-372G32Mnkk W7HP64eP2JP1 UMAkk_3 1*2G/320/6L2.2/2R/ CB_bgn_AN_JA11
eME732-372G32Mnkk	EMEA	Middle East	LX.NCA01.003	eME732-372G32Mnkk EM W7HB64EMeSME2 UMACkk_3 1*2G/ 320/BT/6L2.2/2R/ CB_bgn_1.3C_AN_ARA2

Model	RO	Country	Acer Part No	Description
eME732-372G32Mnkk	EMEA	South Africa	LX.NCA01.002	eME732-372G32Mnkk EM W7HB64EMeTZA2 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ES61
eME732-372G50Mnkk	EMEA	Middle East	LX.NCA01.004	eME732-372G50Mnkk EM W7HB64EMeSME2 UMACkk_3 1*2G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_AN_ARA2
eME732-373G32Mnkk	EMEA	Germany	LX.NCA02.006	eME732-373G32Mnkk W7HP64eSDE1 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_AN_DE11
eME732-373G32Mnkk	EMEA	Ukraine	LX.NCA0C.008	eME732-373G32Mnkk LINPUS MeUK1 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_AN_RU81
eME732-374G32Mnkk	EMEA	Denmark	LX.NCA02.001	eME732-374G32Mnkk W7HP64eSDK2 UMACkk_3 2*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ENS1
eME732-374G32Mnkk	EMEA	Spain	LX.NCA02.005	eME732-374G32Mnkk W7HP64eSES1 UMACkk_3 2*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ES51
eME732-374G50Mnkk	EMEA	South Africa	LX.NCA02.003	eME732-374G50Mnkk EM W7HP64EMeSZA2 UMACkk_3 2*2G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_AN_ES62

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip
eME732-352G32Mnkk	WW	S2.NCA02.001	eME732_UMACkk_3	Ci3350M	UMA
eME732-352G32Mnkk	WW	S2.NCE02.001	eME732_UMAkk_3	Ci3350M	UMA
eME732-372G16Mikk	Russia	LX.NCA0C.006	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G16Mnkk	UK	LX.NCA02.004	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G25Mikk	Russia	LX.NCA0C.002	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G25Mnkk	ACLA-Spain	LX.NCA0C.007	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G25Mnkk	India	LX.NCA0C.003	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G25Mnkk	India	LX.NCA0C.009	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G25Mnkk	Poland	LX.NCA02.002	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G25Mnkk	South Africa	LX.NCA01.006	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G32Mnkk	ACLA-Spain	LX.NCA01.007	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G32Mnkk	Japan	LX.NCA02.007	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G32Mnkk	Japan	LX.NCE02.001	eME732_UMAkk_3	Ci3370M	UMA

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip
eME732-372G32Mnkk	Middle East	LX.NCA01.003	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G32Mnkk	South Africa	LX.NCA01.002	eME732_UMACkk_3	Ci3370M	UMA
eME732-372G50Mnkk	Middle East	LX.NCA01.004	eME732_UMACkk_3	Ci3370M	UMA
eME732-373G32Mnkk	Germany	LX.NCA02.006	eME732_UMACkk_3	Ci3370M	UMA
eME732-373G32Mnkk	Ukraine	LX.NCA0C.008	eME732_UMACkk_3	Ci3370M	UMA
eME732-374G32Mnkk	Denmark	LX.NCA02.001	eME732_UMACkk_3	Ci3370M	UMA
eME732-374G32Mnkk	Spain	LX.NCA02.005	eME732_UMACkk_3	Ci3370M	UMA
eME732-374G50Mnkk	South Africa	LX.NCA02.003	eME732_UMACkk_3	Ci3370M	UMA

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732-352G32Mnkk	WW	S2.NCA02.001	N	SO2GBIII10	N
eME732-352G32Mnkk	WW	S2.NCE02.001	N	SO2GBIII10	N
eME732-372G16Mikk	Russia	LX.NCA0C.006	N	SO2GBIII10	N
eME732-372G16Mnkk	UK	LX.NCA02.004	N	SO2GBIII10	N
eME732-372G25Mikk	Russia	LX.NCA0C.002	N	SO2GBIII10	N
eME732-372G25Mnkk	ACLA-Spain	LX.NCA0C.007	N	SO2GBIII10	N
eME732-372G25Mnkk	India	LX.NCA0C.003	N	SO2GBIII10	N
eME732-372G25Mnkk	India	LX.NCA0C.009	N	SO2GBIII10	N
eME732-372G25Mnkk	Poland	LX.NCA02.002	N	SO2GBIII10	N
eME732-372G25Mnkk	South Africa	LX.NCA01.006	N	SO2GBIII10	N
eME732-372G32Mnkk	ACLA-Spain	LX.NCA01.007	N	SO2GBIII10	N
eME732-372G32Mnkk	Japan	LX.NCA02.007	N	SO2GBIII10	N
eME732-372G32Mnkk	Japan	LX.NCE02.001	N	SO2GBIII10	N
eME732-372G32Mnkk	Middle East	LX.NCA01.003	N	SO2GBIII10	N
eME732-372G32Mnkk	South Africa	LX.NCA01.002	N	SO2GBIII10	N
eME732-372G50Mnkk	Middle East	LX.NCA01.004	N	SO2GBIII10	N

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732-373G32Mnkk	Germany	LX.NCA02.006	N	SO2GBIII10	SO1GBIII10
eME732-373G32Mnkk	Ukraine	LX.NCA0C.008	N	SO2GBIII10	SO1GBIII10
eME732-374G32Mnkk	Denmark	LX.NCA02.001	N	SO2GBIII10	SO2GBIII10
eME732-374G32Mnkk	Spain	LX.NCA02.005	N	SO2GBIII10	SO2GBIII10
eME732-374G50Mnkk	South Africa	LX.NCA02.003	N	SO2GBIII10	SO2GBIII10

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732-352G32Mnkk	WW	S2.NCA02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732-352G32Mnkk	WW	S2.NCE02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732-372G16Mikk	Russia	LX.NCA0C.006	N160GB5.4KS	N	3rd WiFi BG	N
eME732-372G16Mnkk	UK	LX.NCA02.004	N160GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732-372G25Mikk	Russia	LX.NCA0C.002	N250GB5.4KS	N	3rd WiFi BG	N
eME732-372G25Mnkk	ACLA-Spain	LX.NCA0C.007	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732-372G25Mnkk	India	LX.NCA0C.003	N250GB5.4KS	N	3rd WiFi 2x2 BGN	BT 2.1
eME732-372G25Mnkk	India	LX.NCA0C.009	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732-372G25Mnkk	Poland	LX.NCA02.002	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732-372G25Mnkk	South Africa	LX.NCA01.006	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732-372G32Mnkk	ACLA-Spain	LX.NCA01.007	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732-372G32Mnkk	Japan	LX.NCA02.007	N320GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732-372G32Mnkk	Japan	LX.NCE02.001	N320GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732-372G32Mnkk	Middle East	LX.NCA01.003	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732-372G32Mnkk	South Africa	LX.NCA01.002	N320GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732-372G50Mnkk	Middle East	LX.NCA01.004	N500GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732-373G32Mnkk	Germany	LX.NCA02.006	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732-373G32Mnkk	Ukraine	LX.NCA0C.008	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732-374G32Mnkk	Denmark	LX.NCA02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732-374G32Mnkk	Spain	LX.NCA02.005	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732-374G50Mnkk	South Africa	LX.NCA02.003	N500GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0

eME732G

Model	RO	Country	Acer Part No	Description
eME732G-352G32Mnkk	WW	WW	S2.NC802.001	eME732G-352G32Mnkk W7HP64eSWW1 PARK_XT512Ckk_3V3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_AN_ES63
eME732G-352G32Mnkk	WW	WW	S2.NCD02.001	eME732G-352G32Mnkk W7HP64eSWW1 PARK_XT512kk_3V3 1*2G/320/6L2.2/2R/CB_bgn_AN_ES63
eME732G-352G32Mnkk	WW	WW	S2.NCH02.001	eME732G-352G32Mnkk W7HP64eSWW1 MADISON_PRO1GBCkk_3V3 1*2G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_ES63
eME732G-372G25Mnkk	EMEA	Poland	LX.NC802.002	eME732G-372G25Mnkk W7HP64eSPL1 PARK_XT512Ckk_3V3 1*2G/250/6L2.2/ 2R/CB_bgn_1.3C_AN_PL11
eME732G-372G32Mnkk	EMEA	Russia	LX.NC80C.003	eME732G-372G32Mnkk LINPUSeRU1 PARK_XT512Ckk_3V3 1*2G/320/6L2.2/ 2R/CB_bgn_1.3C_AN_EN74
eME732G-372G32Mnkk	AAP	Vietnam	LX.NC80C.001	eME732G-372G32Mnkk LINPUSeVN1 PARK_XT512Ckk_3V3 1*2G/320/6L2.2/ 2R/CB_bgn_1.3C_AN_EN11
eME732G-373G32Mnkk	EMEA	Denmark	LX.NC802.001	eME732G-373G32Mnkk W7HP64eSDK2 PARK_XT512Ckk_3V3 2G+1G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_ENS1
eME732G-373G32Mnkk	EMEA	Germany	LX.NC802.005	eME732G-373G32Mnkk W7HP64eSDE1 PARK_XT512Ckk_3V3 2G+1G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_DE11
eME732G-373G32Mnkk	EMEA	Germany	LX.NCH02.001	eME732G-373G32Mnkk W7HP64eSDE1 MADISON_PRO1GBCkk_3V3 2G+1G/ 320/6L2.2/2R/CB_bgn_1.3C_AN_DE11
eME732G-373G32Mnkk	EMEA	Russia	LX.NC801.002	eME732G-373G32Mnkk W7HB64RUeSRU1 PARK_XT512Ckk_3V3 2G+1G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_RU11
eME732G-374G32Mnkk	EMEA	Middle East	LX.NC801.003	eME732G-374G32Mnkk EM W7HB64EMeSME2 PARK_XT512Ckk_3V3 2*2G/320/BT/ 6L2.2/2R/CB_bgn_1.3C_AN_ARA2
eME732G-374G50Mnkk	EMEA	South Africa	LX.NC802.003	eME732G-374G50Mnkk EM W7HP64EMeSZA2 PARK_XT512Ckk_3V3 2*2G/500_L/BT/ 6L2.2/2R/CB_bgn_1.3C_AN_ES62

Model	RO	Country	Acer Part No	Description
eME732G-374G64Mnkk	EMEA	South Africa	LX.NC802.004	eME732G-374G64Mnkk EM W7HP64EMeSZA2 PARK_XT512Ckk_3V3 2*2G/640/BT/ 6L2.2/2R/CB_bgn_1.3C_AN_ES62
eME732G-376G25Mikk	WW	WW	S2.NC802.002	eME732G-376G25Mikk W7HP64eSWW1 PARK_XT512Ckk_3V3 2G+4G/250/BT/ 6L2.2/2R/CB_abg_1.3C_AN_ES63
eME732G-376G25Mnkk	WW	WW	S2.NC802.003	eME732G-376G25Mnkk W7HP64eSWW1 PARK_XT512Ckk_3V3 2G+4G/250/6L2.2/2R/ CB_bgn_1.3C_AN_ES63
eME732G-376G25Mnkk	WW	WW	S2.NC802.004	eME732G-376G25Mnkk W7HP64eSWW1 PARK_XT512Ckk_3V3 2G+4G/250/BT/6L2.2/2R/ CB_bgn_1.3C_AN_ES63

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip
eME732G-352G32Mnkk	WW	S2.NC802.001	eME732G_PARK_XT 512Ckk_3V3	Ci3350M	PARK_XT
eME732G-352G32Mnkk	WW	S2.NCD02.001	eME732G_PARK_XT 512kk_3V3	Ci3350M	PARK_XT
eME732G-352G32Mnkk	WW	S2.NCH02.001	eME732G_MADISON _PRO1GBCkk_3V3	Ci3350M	MADISON _PRO
eME732G-372G25Mnkk	Poland	LX.NC802.002	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-372G32Mnkk	Russia	LX.NC80C.003	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-372G32Mnkk	Vietnam	LX.NC80C.001	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-373G32Mnkk	Denmark	LX.NC802.001	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-373G32Mnkk	Germany	LX.NC802.005	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-373G32Mnkk	Germany	LX.NCH02.001	eME732G_MADISON _PRO1GBCkk_3V3	Ci3370M	MADISON _PRO
eME732G-373G32Mnkk	Russia	LX.NC801.002	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-374G32Mnkk	Middle East	LX.NC801.003	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-374G50Mnkk	South Africa	LX.NC802.003	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-374G64Mnkk	South Africa	LX.NC802.004	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-376G25Mikk	WW	S2.NC802.002	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-376G25Mnkk	WW	S2.NC802.003	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT
eME732G-376G25Mnkk	WW	S2.NC802.004	eME732G_PARK_XT 512Ckk_3V3	Ci3370M	PARK_XT

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732G-352G32Mnkk	WW	S2.NC802.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732G-352G32Mnkk	WW	S2.NCD02.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732G-352G32Mnkk	WW	S2.NCH02.001	1G-DDR3 (64*16*8)	SO2GBIII10	N
eME732G-372G25Mnkk	Poland	LX.NC802.002	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732G-372G32Mnkk	Russia	LX.NC80C.003	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732G-372G32Mnkk	Vietnam	LX.NC80C.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732G-373G32Mnkk	Denmark	LX.NC802.001	512M-DDR3 (64*16*4)	SO2GBIII10	SO1GBIII10
eME732G-373G32Mnkk	Germany	LX.NC802.005	512M-DDR3 (64*16*4)	SO2GBIII10	SO1GBIII10
eME732G-373G32Mnkk	Germany	LX.NCH02.001	1G-DDR3 (64*16*8)	SO2GBIII10	SO1GBIII10
eME732G-373G32Mnkk	Russia	LX.NC801.002	512M-DDR3 (64*16*4)	SO2GBIII10	SO1GBIII10
eME732G-374G32Mnkk	Middle East	LX.NC801.003	512M-DDR3 (64*16*4)	SO2GBIII10	SO2GBIII10
eME732G-374G50Mnkk	South Africa	LX.NC802.003	512M-DDR3 (64*16*4)	SO2GBIII10	SO2GBIII10
eME732G-374G64Mnkk	South Africa	LX.NC802.004	512M-DDR3 (64*16*4)	SO2GBIII10	SO2GBIII10
eME732G-376G25Mikk	WW	S2.NC802.002	512M-DDR3 (64*16*4)	SO2GBIII10	SO4GBIII10
eME732G-376G25Mnkk	WW	S2.NC802.003	512M-DDR3 (64*16*4)	SO2GBIII10	SO4GBIII10
eME732G-376G25Mnkk	WW	S2.NC802.004	512M-DDR3 (64*16*4)	SO2GBIII10	SO4GBIII10

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732G-352G32Mnkk	WW	S2.NC802.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732G-352G32Mnkk	WW	S2.NCD02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732G-352G32Mnkk	WW	S2.NCH02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732G-372G25Mnkk	Poland	LX.NC802.002	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732G-372G32Mnkk	Russia	LX.NC80C.003	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732G-372G32Mnkk	Vietnam	LX.NC80C.001	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732G-373G32Mnkk	Denmark	LX.NC802.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732G-373G32Mnkk	Germany	LX.NC802.005	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732G-373G32Mnkk	Germany	LX.NCH02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732G-373G32Mnkk	Russia	LX.NC801.002	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732G-374G32Mnkk	Middle East	LX.NC801.003	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732G-374G50Mnkk	South Africa	LX.NC802.003	N500GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732G-374G64Mnkk	South Africa	LX.NC802.004	N640GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732G-376G25Mikk	WW	S2.NC802.002	N250GB5.4KS	NIS	INT6250HA BG	BT 3.0
eME732G-376G25Mnkk	WW	S2.NC802.003	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732G-376G25Mnkk	WW	S2.NC802.004	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0

eME732ZG

Model	RO	Country	Acer Part No	Description
eME732ZG-P612G25Mikk	EMEA	Russia	LX.NCC0C.001	eME732ZG-P612G25Mikk LINPUSeRU1 PARK_XT512Ckk_3V3 1*2G/250/6L2.2/2R/CB_bg_1.3C_AN_EN74
eME732ZG-P612G25Mnkk	AAP	India	LX.NCC01.002	eME732ZG-P612G25Mnkk W7HB64INeSIN1 PARK_XT512Ckk_3V3 1*2G/250/BT/6L2.2/2R/CB_bgn_1.3C_AN_ES61
eME732ZG-P612G25Mnkk	AAP	India	LX.NCC0C.002	eME732ZG-P612G25Mnkk LINPUSeIN1 PARK_XT512Ckk_3V3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_EN11
eME732ZG-P612G32Mikk	EMEA	Russia	LX.NCC08.001	eME732ZG-P612G32Mikk W7ST32RUeSRU1 PARK_XT512Ckk_3V3 1*2G/320/6L2.2/2R/CB_bg_1.3C_AN_RU11
eME732ZG-P612G32Mnkk	AAP	India	LX.NCC01.001	eME732ZG-P612G32Mnkk W7HB64INeSIN1 PARK_XT512Ckk_3V3 1*2G/320/BT/6L2.2/2R/CB_bgn_1.3C_AN_ES61
eME732ZG-P612G32Mnkk	EMEA	Poland	LX.NCL02.001	eME732ZG-P612G32Mnkk W7HP64eSPL1 MADISON_PRO1GBkk_3V3 1*2G/320/6L2.2/2R/CB_bgn_AN_PL11
eME732ZG-P612G32Mnkk	WW	WW	S2.NCC02.001	eME732ZG-P612G32Mnkk W7HP64eSWW1 PARK_XT512Ckk_3V3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ES63
eME732ZG-P612G32Mnkk	WW	WW	S2.NCF02.001	eME732ZG-P612G32Mnkk W7HP64eSWW1 PARK_XT512kk_3V3 1*2G/320/6L2.2/2R/CB_bgn_AN_ES63

Model	RO	Country	Acer Part No	Description
eME732ZG-P612G32Mnkk	WW	WW	S2.NCJ02.001	eME732ZG-P612G32Mnkk W7HP64eSWW1 MADISON_PRO1GBCkk_3V3 1*2G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_ES63
eME732ZG-P612G32Mnkk	WW	WW	S2.NCL02.001	eME732ZG-P612G32Mnkk W7HP64eSWW1 MADISON_PRO1GBkk_3V3 1*2G/320/ 6L2.2/2R/CB_bgn_AN_ES63
eME732ZG-P612G50Mnkk	EMEA	Poland	LX.NCC02.005	eME732ZG-P612G50Mnkk W7HP64eSPL1 PARK_XT512Ckk_3V3 1*2G/500_L/6L2.2/2R/ CB_bgn_1.3C_AN_PL11
eME732ZG-P613G32Mnkk	EMEA	Denmark	LX.NCC02.001	eME732ZG-P613G32Mnkk W7HP64eSDK2 PARK_XT512Ckk_3V3 2G+1G/320/6L2.2/2R/ CB_bgn_1.3C_AN_ENS1
eME732ZG-P613G32Mnkk	EMEA	Germany	LX.NCC02.004	eME732ZG-P613G32Mnkk W7HP64eSDE1 PARK_XT512Ckk_3V3 2G+1G/320/6L2.2/2R/ CB_bgn_1.3C_AN_DE11
eME732ZG-P613G32Mnkk	EMEA	Germany	LX.NCJ02.002	eME732ZG-P613G32Mnkk W7HP64eSDE1 MADISON_PRO1GBCkk_3V3 2G+1G/ 320/6L2.2/2R/CB_bgn_1.3C_AN_DE11
eME732ZG-P613G32Mnkk	EMEA	Romania	LX.NCC0C.003	eME732ZG-P613G32Mnkk LINPUSeRO2 PARK_XT512Ckk_3V3 2G+1G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_ENF1
eME732ZG-P613G32Mnkk	EMEA	Ukraine	LX.NCJ0C.001	eME732ZG-P613G32Mnkk LINPUSeUK1 MADISON_PRO1GBCkk_3V3 2G+1G/ 320/6L2.2/2R/CB_bgn_1.3C_AN_EN71
eME732ZG-P614G32Mnkk	EMEA	Denmark	LX.NCC02.002	eME732ZG-P614G32Mnkk W7HP64eSDK2 PARK_XT512Ckk_3V3 2*2G/320/6L2.2/2R/ CB_bgn_1.3C_AN_ENS1
eME732ZG-P614G32Mnkk	EMEA	Denmark	LX.NCJ02.001	eME732ZG-P614G32Mnkk W7HP64eSDK2 MADISON_PRO1GBCkk_3V3 2*2G/320/ 6L2.2/2R/CB_bgn_1.3C_AN_ENS1
eME732ZG-P614G32Mnkk	EMEA	Poland	LX.NCC02.003	eME732ZG-P614G32Mnkk W7HP64eSPL1 PARK_XT512Ckk_3V3 2*2G/320/6L2.2/2R/ CB_bgn_1.3C_AN_PL11
eME732ZG-P623G50Mikk	WW	WW	S2.NCC02.003	eME732ZG-P623G50Mikk W7HP64eSWW1 PARK_XT512Ckk_3V3 1G+2G/500_L/BT/6L2.2/2R/ CB_bg_1.3C_AN_ES63
eME732ZG-P623G50Mnkk	WW	WW	S2.NCC02.002	eME732ZG-P623G50Mnkk W7HP64eSWW1 PARK_XT512Ckk_3V3 1G+2G/500_L/BT/6L2.2/2R/ CB_bgn_1.3C_AN_ES63

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip
eME732ZG-P612G25Mikk	Russia	LX.NCC0C.001	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G25Mnkk	India	LX.NCC01.002	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G25Mnkk	India	LX.NCC0C.002	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G32Mikk	Russia	LX.NCC08.001	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G32Mnkk	India	LX.NCC01.001	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G32Mnkk	Poland	LX.NCL02.001	eME732ZG_MADISON_PRO1GBkk_3V3	PMDP6100	MADISON_PRO
eME732ZG-P612G32Mnkk	WW	S2.NCC02.001	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G32Mnkk	WW	S2.NCF02.001	eME732ZG_PARK_XT512kk_3V3	PMDP6100	PARK_XT
eME732ZG-P612G32Mnkk	WW	S2.NCJ02.001	eME732ZG_MADISON_PRO1GBCkk_3V3	PMDP6100	MADISON_PRO
eME732ZG-P612G32Mnkk	WW	S2.NCL02.001	eME732ZG_MADISON_PRO1GBkk_3V3	PMDP6100	MADISON_PRO
eME732ZG-P612G50Mnkk	Poland	LX.NCC02.005	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P613G32Mnkk	Denmark	LX.NCC02.001	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P613G32Mnkk	Germany	LX.NCC02.004	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P613G32Mnkk	Germany	LX.NCJ02.002	eME732ZG_MADISON_PRO1GBCkk_3V3	PMDP6100	MADISON_PRO
eME732ZG-P613G32Mnkk	Romania	LX.NCC0C.003	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P613G32Mnkk	Ukraine	LX.NCJ0C.001	eME732ZG_MADISON_PRO1GBCkk_3V3	PMDP6100	MADISON_PRO
eME732ZG-P614G32Mnkk	Denmark	LX.NCC02.002	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P614G32Mnkk	Denmark	LX.NCJ02.001	eME732ZG_MADISON_PRO1GBCkk_3V3	PMDP6100	MADISON_PRO
eME732ZG-P614G32Mnkk	Poland	LX.NCC02.003	eME732ZG_PARK_XT512Ckk_3V3	PMDP6100	PARK_XT
eME732ZG-P623G50Mikk	WW	S2.NCC02.003	eME732ZG_PARK_XT512Ckk_3V3	PMDP6200	PARK_XT
eME732ZG-P623G50Mnkk	WW	S2.NCC02.002	eME732ZG_PARK_XT512Ckk_3V3	PMDP6200	PARK_XT

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732ZG-P612G25Mikk	Russia	LX.NCC0C.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P612G25Mnkk	India	LX.NCC01.002	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P612G25Mnkk	India	LX.NCC0C.002	512M-DDR3 (64*16*4)	SO2GBIII10	N

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732ZG-P612G32Mikk	Russia	LX.NCC08.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P612G32Mnkk	India	LX.NCC01.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P612G32Mnkk	Poland	LX.NCL02.001	1G-DDR3 (64*16*8)	SO2GBIII10	N
eME732ZG-P612G32Mnkk	WW	S2.NCC02.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P612G32Mnkk	WW	S2.NCF02.001	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P612G32Mnkk	WW	S2.NCJ02.001	1G-DDR3 (64*16*8)	SO2GBIII10	N
eME732ZG-P612G32Mnkk	WW	S2.NCL02.001	1G-DDR3 (64*16*8)	SO2GBIII10	N
eME732ZG-P612G50Mnkk	Poland	LX.NCC02.005	512M-DDR3 (64*16*4)	SO2GBIII10	N
eME732ZG-P613G32Mnkk	Denmark	LX.NCC02.001	512M-DDR3 (64*16*4)	SO2GBIII10	SO1GBIII10
eME732ZG-P613G32Mnkk	Germany	LX.NCC02.004	512M-DDR3 (64*16*4)	SO2GBIII10	SO1GBIII10
eME732ZG-P613G32Mnkk	Germany	LX.NCJ02.002	1G-DDR3 (64*16*8)	SO2GBIII10	SO1GBIII10
eME732ZG-P613G32Mnkk	Romania	LX.NCC0C.003	512M-DDR3 (64*16*4)	SO2GBIII10	SO1GBIII10
eME732ZG-P613G32Mnkk	Ukraine	LX.NCJ0C.001	1G-DDR3 (64*16*8)	SO2GBIII10	SO1GBIII10
eME732ZG-P614G32Mnkk	Denmark	LX.NCC02.002	512M-DDR3 (64*16*4)	SO2GBIII10	SO2GBIII10
eME732ZG-P614G32Mnkk	Denmark	LX.NCJ02.001	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
eME732ZG-P614G32Mnkk	Poland	LX.NCC02.003	512M-DDR3 (64*16*4)	SO2GBIII10	SO2GBIII10
eME732ZG-P623G50Mikk	WW	S2.NCC02.003	512M-DDR3 (64*16*4)	SO1GBIII10	SO2GBIII10
eME732ZG-P623G50Mnkk	WW	S2.NCC02.002	512M-DDR3 (64*16*4)	SO1GBIII10	SO2GBIII10

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732ZG-P612G25Mikk	Russia	LX.NCC0C.001	N250GB5.4KS	N	3rd WiFi BG	N
eME732ZG-P612G25Mnkk	India	LX.NCC01.002	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732ZG-P612G25Mnkk	India	LX.NCC0C.002	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732ZG-P612G32Mikk	Russia	LX.NCC08.001	N320GB5.4KS_4K	NIS	3rd WiFi BG	N
eME732ZG-P612G32Mnkk	India	LX.NCC01.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	BT 3.0

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732ZG-P612G32Mnkk	Poland	LX.NCL02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P612G32Mnkk	WW	S2.NCC02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P612G32Mnkk	WW	S2.NCF02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P612G32Mnkk	WW	S2.NCJ02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P612G32Mnkk	WW	S2.NCL02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P612G50Mnkk	Poland	LX.NCC02.005	N500GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P613G32Mnkk	Denmark	LX.NCC02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P613G32Mnkk	Germany	LX.NCC02.004	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P613G32Mnkk	Germany	LX.NCJ02.002	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P613G32Mnkk	Romania	LX.NCC0C.003	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732ZG-P613G32Mnkk	Ukraine	LX.NCJ0C.001	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732ZG-P614G32Mnkk	Denmark	LX.NCC02.002	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P614G32Mnkk	Denmark	LX.NCJ02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P614G32Mnkk	Poland	LX.NCC02.003	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732ZG-P623G50Mikk	WW	S2.NCC02.003	N500GB5.4KS	NIS	3rd WiFi BG	BT 3.0
eME732ZG-P623G50Mnkk	WW	S2.NCC02.002	N500GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0

eME732Z

Model	RO	Country	Acer Part No	Description
eME732Z-P611G25Mnkk	AAP	India	LX.NCB0C.002	eME732Z-P611G25Mnkk LINPUS MeIN1 UMACkk_3 1*1G/250/6L2.2/2R/ CB_bgn_1.3C_AN_XS12
eME732Z-P611G25Mnkk	AAP	India	LX.NCB0C.011	eME732Z-P611G25Mnkk LINPUS MeIN1 UMACkk_3 1*1G/250/6L2.2/2R/ CB_bgn_1.3C_AN_XS12SKU 2
eME732Z-P611G32Mnkk	AAP	India	LX.NCB0C.003	eME732Z-P611G32Mnkk LINPUS MeIN1 UMACkk_3 1*1G/320/6L2.2/2R/ CB_bgn_1.3C_AN_XS12
eME732Z-P612G25Mikk	EMEA	Russia	LX.NCB0C.001	eME732Z-P612G25Mikk LINPUS MeRU1 UMACkk_3 1*2G/250/6L2.2/2R/ CB_bg_1.3C_AN_RU81
eME732Z-P612G25Mnkk	PA	ACLA-Spain	LX.NCB08.004	eME732Z-P612G25Mnkk EM W7ST32EMeSEA1 UMACkk_3 1*2G/250/ 6L2.2/2R/CB_bgn_1.3C_AN_ES51

Model	RO	Country	Acer Part No	Description
eME732Z-P612G25Mnkk	PA	ACLA-Spain	LX.NCB0C.010	eME732Z-P612G25Mnkk LINPUS MeEA1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_XS41
eME732Z-P612G25Mnkk	EMEA	Denmark	LX.NCB02.003	eME732Z-P612G25Mnkk W7HP64eSDK2 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_ENS1
eME732Z-P612G25Mnkk	EMEA	France	LX.NCB02.006	eME732Z-P612G25Mnkk W7HP64eSFR1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_FR21
eME732Z-P612G25Mnkk	AAP	India	LX.NCB01.001	eME732Z-P612G25Mnkk W7HB64INeSIN1 UMACkk_3 1*2G/250/BT/6L2.2/2R/CB_bgn_1.3C_AN_ES61
eME732Z-P612G25Mnkk	AAP	India	LX.NCB0C.004	eME732Z-P612G25Mnkk LINPUS MeIN1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_XS12
eME732Z-P612G25Mnkk	AAP	Japan	LX.NCB02.010	eME732Z-P612G25Mnkk W7HP64eJP1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_JA11
eME732Z-P612G25Mnkk	EMEA	Romania	LX.NCB0C.006	eME732Z-P612G25Mnkk LINPUS MeRO2 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_RO21
eME732Z-P612G25Mnkk	EMEA	South Africa	LX.NCB01.003	eME732Z-P612G25Mnkk EM W7HB64EMeSZA2 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_ES62
eME732Z-P612G25Mnkk	EMEA	UK	LX.NCB02.001	eME732Z-P612G25Mnkk W7HP64eSGB1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_AN_EN11
eME732Z-P612G32Mikk	EMEA	Russia	LX.NCB08.003	eME732Z-P612G32Mikk W7ST32RUeSRU1 UMACkk_3 1*2G/320/6L2.2/2R/CB_bg_1.3C_AN_RU11
eME732Z-P612G32Mnkk	EMEA	Denmark	LX.NCB02.004	eME732Z-P612G32Mnkk W7HP64eSDK2 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ENS1
eME732Z-P612G32Mnkk	AAP	India	LX.NCB0C.005	eME732Z-P612G32Mnkk LINPUS MeIN1 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_XS12
eME732Z-P612G32Mnkk	EMEA	Middle East	LX.NCB08.001	eME732Z-P612G32Mnkk EM W7ST32EMeSME2 UMACkk_3 1*2G/320/BT/6L2.2/2R/CB_bgn_1.3C_AN_ARA2
eME732Z-P612G32Mnkk	EMEA	Middle East	LX.NCB0C.008	eME732Z-P612G32Mnkk LINPUS MeME9 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_FRH1
eME732Z-P612G32Mnkk	EMEA	Middle East	LX.NCB0C.009	eME732Z-P612G32Mnkk LINPUS MeME1 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_XS11
eME732Z-P612G32Mnkk	EMEA	Poland	LX.NCB02.007	eME732Z-P612G32Mnkk W7HP64eSPL1 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_PL11
eME732Z-P612G32Mnkk	EMEA	South Africa	LX.NCB01.002	eME732Z-P612G32Mnkk EM W7HB64EMeSZA2 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ES62

Model	RO	Country	Acer Part No	Description
eME732Z-P612G32Mnkk	EMEA	Turkey	LX.NCB08.002	eME732Z-P612G32Mnkk EM W7ST32EMeSTR1 UMACkk_3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_TR32
eME732Z-P612G32Mnkk	WW	WW	S2.NCB02.001	eME732Z-P612G32Mnkk W7HP64eSWW1 UMACkk_3V3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ES63
eME732Z-P612G32Mnkk	WW	WW	S2.NCG02.001	eME732Z-P612G32Mnkk W7HP64eSWW1 UMAkk_3V3 1*2G/320/6L2.2/2R/CB_bgn_AN_ES63
eME732Z-P613G25Mnkk	WW	WW	S2.NCB02.002	eME732Z-P613G25Mnkk W7HP64eSWW1 UMACkk_3 1G+2G/250/BT/4L2.8/2R/CB_bgn_1.3C_AN_ES63
eME732Z-P613G25Mnkk	WW	WW	S2.NCB02.003	eME732Z-P613G25Mnkk W7HP64eSWW1 UMACkk_3 1G+2G/250/BT/6L2.2/2R/CB_bgn_1.3C_AN_ES63
eME732Z-P613G32Mnkk	EMEA	Denmark	LX.NCB02.005	eME732Z-P613G32Mnkk W7HP64eSDK2 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_AN_ENS1
eME732Z-P613G32Mnkk	EMEA	Germany	LX.NCB02.009	eME732Z-P613G32Mnkk W7HP64eSDE1 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_AN_DE11
eME732Z-P613G32Mnkk	EMEA	Romania	LX.NCB0C.007	eME732Z-P613G32Mnkk LINPUS MeRO2 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_AN_RO21
eME732Z-P613G32Mnkk	EMEA	UK	LX.NCB02.002	eME732Z-P613G32Mnkk W7HP64eSGB1 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_AN_EN11
eME732Z-P614G32Mnkk	EMEA	Spain	LX.NCB02.008	eME732Z-P614G32Mnkk W7HP64eSES1 UMACkk_3 2*2G/320/6L2.2/2R/CB_bgn_1.3C_AN_ES51

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip
eME732Z-P611G25Mnkk	India	LX.NCB0C.002	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P611G25Mnkk	India	LX.NCB0C.011	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P611G32Mnkk	India	LX.NCB0C.003	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mikk	Russia	LX.NCB0C.001	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	ACLA-Spain	LX.NCB08.004	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	ACLA-Spain	LX.NCB0C.010	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	Denmark	LX.NCB02.003	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	France	LX.NCB02.006	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	India	LX.NCB01.001	eME732Z_UMACkk_3	PMDP6100	UMA

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip
eME732Z-P612G25Mnkk	India	LX.NCB0C.004	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	Japan	LX.NCB02.010	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	Romania	LX.NCB0C.006	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	South Africa	LX.NCB01.003	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G25Mnkk	UK	LX.NCB02.001	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mikk	Russia	LX.NCB08.003	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	Denmark	LX.NCB02.004	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	India	LX.NCB0C.005	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	Middle East	LX.NCB08.001	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	Middle East	LX.NCB0C.008	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	Middle East	LX.NCB0C.009	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	Poland	LX.NCB02.007	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	South Africa	LX.NCB01.002	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	Turkey	LX.NCB08.002	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	WW	S2.NCB02.001	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P612G32Mnkk	WW	S2.NCG02.001	eME732Z_UMAkk_3	PMDP6100	UMA
eME732Z-P613G25Mnkk	WW	S2.NCB02.002	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P613G25Mnkk	WW	S2.NCB02.003	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P613G32Mnkk	Denmark	LX.NCB02.005	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P613G32Mnkk	Germany	LX.NCB02.009	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P613G32Mnkk	Romania	LX.NCB0C.007	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P613G32Mnkk	UK	LX.NCB02.002	eME732Z_UMACkk_3	PMDP6100	UMA
eME732Z-P614G32Mnkk	Spain	LX.NCB02.008	eME732Z_UMACkk_3	PMDP6100	UMA

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732Z-P611G25Mnkk	India	LX.NCB0C.002	N	SO1GBIII10	N
eME732Z-P611G25Mnkk	India	LX.NCB0C.011	N	SO1GBIII10	N
eME732Z-P611G32Mnkk	India	LX.NCB0C.003	N	SO1GBIII10	N
eME732Z-P612G25Mikk	Russia	LX.NCB0C.001	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	ACLA-Spain	LX.NCB08.004	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	ACLA-Spain	LX.NCB0C.010	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	Denmark	LX.NCB02.003	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	France	LX.NCB02.006	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	India	LX.NCB01.001	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	India	LX.NCB0C.004	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	Japan	LX.NCB02.010	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	Romania	LX.NCB0C.006	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	South Africa	LX.NCB01.003	N	SO2GBIII10	N
eME732Z-P612G25Mnkk	UK	LX.NCB02.001	N	SO2GBIII10	N
eME732Z-P612G32Mikk	Russia	LX.NCB08.003	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	Denmark	LX.NCB02.004	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	India	LX.NCB0C.005	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	Middle East	LX.NCB08.001	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	Middle East	LX.NCB0C.008	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	Middle East	LX.NCB0C.009	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	Poland	LX.NCB02.007	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	South Africa	LX.NCB01.002	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	Turkey	LX.NCB08.002	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	WW	S2.NCB02.001	N	SO2GBIII10	N
eME732Z-P612G32Mnkk	WW	S2.NCG02.001	N	SO2GBIII10	N

Model	Country	Acer Part No	VRAM 1	Memory 1	Memory 2
eME732Z-P613G25Mnkk	WW	S2.NCB02.002	N	SO1GBIII10	SO2GBIII10
eME732Z-P613G25Mnkk	WW	S2.NCB02.003	N	SO1GBIII10	SO2GBIII10
eME732Z-P613G32Mnkk	Denmark	LX.NCB02.005	N	SO2GBIII10	SO1GBIII10
eME732Z-P613G32Mnkk	Germany	LX.NCB02.009	N	SO2GBIII10	SO1GBIII10
eME732Z-P613G32Mnkk	Romania	LX.NCB0C.007	N	SO2GBIII10	SO1GBIII10
eME732Z-P613G32Mnkk	UK	LX.NCB02.002	N	SO2GBIII10	SO1GBIII10
eME732Z-P614G32Mnkk	Spain	LX.NCB02.008	N	SO2GBIII10	SO2GBIII10

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732Z-P611G25Mnkk	India	LX.NCB0C.002	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P611G25Mnkk	India	LX.NCB0C.011	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P611G32Mnkk	India	LX.NCB0C.003	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mikk	Russia	LX.NCB0C.001	N250GB5.4KS	N	3rd WiFi BG	N
eME732Z-P612G25Mnkk	ACLA-Spain	LX.NCB08.004	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	ACLA-Spain	LX.NCB0C.010	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	Denmark	LX.NCB02.003	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	France	LX.NCB02.006	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	India	LX.NCB01.001	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732Z-P612G25Mnkk	India	LX.NCB0C.004	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	Japan	LX.NCB02.010	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	Romania	LX.NCB0C.006	N250GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	South Africa	LX.NCB01.003	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G25Mnkk	UK	LX.NCB02.001	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mikk	Russia	LX.NCB08.003	N320GB5.4KS_4K	NIS	3rd WiFi BG	N
eME732Z-P612G32Mnkk	Denmark	LX.NCB02.004	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N

Model	Country	Acer Part No	HDD 1(GB)	Extra SW1	Wireless LAN1	Bluetooth
eME732Z-P612G32Mnkk	India	LX.NCB0C.005	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	Middle East	LX.NCB08.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732Z-P612G32Mnkk	Middle East	LX.NCB0C.008	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	Middle East	LX.NCB0C.009	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	Poland	LX.NCB02.007	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	South Africa	LX.NCB01.002	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	Turkey	LX.NCB08.002	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	WW	S2.NCB02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P612G32Mnkk	WW	S2.NCG02.001	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P613G25Mnkk	WW	S2.NCB02.002	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732Z-P613G25Mnkk	WW	S2.NCB02.003	N250GB5.4KS	NIS	3rd WiFi 2x2 BGN	BT 3.0
eME732Z-P613G32Mnkk	Denmark	LX.NCB02.005	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P613G32Mnkk	Germany	LX.NCB02.009	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P613G32Mnkk	Romania	LX.NCB0C.007	N320GB5.4KS	N	3rd WiFi 2x2 BGN	N
eME732Z-P613G32Mnkk	UK	LX.NCB02.002	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N
eME732Z-P614G32Mnkk	Spain	LX.NCB02.008	N320GB5.4KS_4K	NIS	3rd WiFi 2x2 BGN	N

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows® 7 with backwards compatibility to Windows® XP.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the eME732 Compatibility Test Report released by the Acer Mobile System Testing Department.

Vendor	Type	Description	P/N
Adapter			
Chicony Power	65W	Adapter Chicony Power 65W 19V 1.7x5.5x11 Yellow CPA09-A065N1, LV5, low profile LED LF	AP.0650A.017
DELTA	65W	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow ADP-65JH DB A, LV5 LED LF	AP.06501.026
DELTA	65W	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow ADP-65VH BA, LV5, Low profile LED LF	AP.06501.033
DELTA	90W	Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DBH, LV5 LED LF	AP.09001.031
HIPRO	65W	Adapter HIPRO 65W 19V 1.7x5.5x11 Yellow HP-A0652R3B 1LF, LV5 LED LF	AP.0650A.012
HIPRO	90W	Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF	AP.0900A.005
LITE-ON	65W	Adapter LITE-ON 65W 19V 1.7x5.5x11 Yellow PA-1650-22AC LV5 LED LF	AP.06503.024
LITE-ON	65W	Adapter LITE-ON 65W 19V 1.7x5.5x11 Yellow PA-1650-69AW, LV5, Low profile LED LF	AP.06503.029
LITE-ON	90W	Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF	AP.09003.021
Audio Codec			
Realtek	ALC272X	Realtek Audio Codec ALC272X	LZ.21000.045
Battery			
PANASONIC	6CELL2.2	Battery PANASONIC AS10D Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON ID:AS10D51	BT.00605.062
SAMSUNG	6CELL2.2	Battery SAMSUNG AS10D Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON ID:AS10D61	BT.00606.008
SANYO	6CELL2.2	Battery SANYO AS10D Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON ID:AS10D31	BT.00603.111
SIMPLO	6CELL2.2	Battery SIMPLO AS10D Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON ID:AS10D71	BT.00607.125
SIMPLO	6CELL2.2	Battery SIMPLO AS10D Li-Ion 3S2P LGC 6 cell 4400mAh Main COMMON ID:AS10D73	BT.00607.126

Vendor	Type	Description	P/N
SIMPLO	6CELL2.2	Battery SIMPLO AS10D Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON ID:AS10D	BT.00607.127
SONY	6CELL2.2	Battery SONY AS10D Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON ID:AS10D41	BT.00604.049
Bluetooth			
Foxconn	BT 2.1	Foxconn Bluetooth ATH AR3011	BH.21100.005
Foxconn	BT 2.1	Foxconn Bluetooth BRM 2070 (T77H114.01)	BH.21100.007
Foxconn	BT 3.0	Foxconn Bluetooth BRM 2046 BT3.0 (T60H928.33) f/w:861	BH.21100.008
Foxconn	BT 3.0	Foxconn Bluetooth ATH AR3011 (BT3.0)	BH.21100.009
Foxconn	BT 3.0	Foxconn Bluetooth BRM 2070 (T77H114.01) BT 3.0	BH.21100.010
Camera			
Chicony	1.3M	Chicony 1.3M CH9665SN (CNF9157)	AM.21400.067
Liteon	1.3M	Liteon 1.3M LT9665AL (09P2SF119)	AM.21400.069
Liteon	1.3M	Liteon 1.3M LT6AASP(09P2BF127)	AM.21400.070
Suyin	1.3M	Suyin 1.3M SY9665SN	AM.21400.068
Card Reader			
	2-in-1 card reader	2-in-1 card reader	CR.21500.030
CPU			
INTEL	Ci3350M	CPU Intel Core i3 350M PGA 2.26G 35W Arrandale, TJ90, VT, 3M L3	KC.35001.DMP
INTEL	Ci3350M	CPU Intel Core i3 350M PGA 2.26G 35W K-0 TJ90, VT	KC.35K01.DMP
INTEL	Ci3370M	CPU Intel Core i3 370M PGA 2.4G 35W K-0 TJ90, VT	KC.37K01.DMP
INTEL	PMDP6100	CPU Intel Pentium Dual-Core P6100 PGA 2.0G 35W K0 Max DDR3-1066	KC.61001.DPP
INTEL	PMDP6200	CPU Intel Pentium Dual-Core P6200 PGA 2.13G 35W K0 Max DDR3-1066	KC.62001.DPP
HDD			
HGST	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.16007.026
HGST	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.25007.016
HGST	N320GB5.4KS	HDD HGST 2.5" 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.32007.008
HGST	N500GB5.4KS	HDD HGST 2.5" 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.50007.010

Vendor	Type	Description	P/N
SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160314AS,9HH13C-189, Seagate(new pcb) SATA 8MB LF F/W:0001SDM1	KH.16001.045
SEAGATE	N250GB5.4KS	HDD SEAGATE 2.5" 5400rpm 250GB ST9250315AS, 9HH132-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.25001.019
SEAGATE	N320GB5.4KS	HDD SEAGATE 2.5" 5400rpm 320GB ST9320310AS,9RN132-188, Cameron 320G/P SATA 8MB LF F/W:0001SDM1	KH.32001.019
SEAGATE	N500GB5.4KS	HDD SEAGATE 2.5" 5400rpm 500GB ST9500325AS,9HH134-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.50001.017
TOSHIBA	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1665GSX, Capricorn BS, 320G/P SATA 8MB LF F/W:GJ002J	KH.16004.008
TOSHIBA	N250GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 250GB MK2565GSX, Capricorn BS, 320G/P SATA 8MB LF F/W:GJ002J	KH.25004.005
TOSHIBA	N320GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 320GB Capricorn BS ,MK3265GSX SATA 8MB LF F/W:GJ002J	KH.32004.004
TOSHIBA	N500GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 500GB MK5065GSX,Capricorn BS, 320G/P SATA 8MB LF F/W:GJ002J	KH.50004.002
TOSHIBA	N640GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 640GB MK6465GSX,Capricorn BS,320G/P SATA 8MB LF F/W:GJ002J	KH.64004.001
WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22A23T0 , WD, ML320S SATA 8MB LF F/W:01.01A01	KH.16008.027
WD	N250GB5.4KS	HDD WD 2.5" 5400rpm 250GB WD2500BEVT-22A23T0, WD, ML320S SATA 8MB LF F/W:01.01A01.	KH.25008.025
WD	N320GB5.4KS_4K	HDD WD 2.5" 5400rpm 320GB WD3200BPVT-22ZEST0, ML320S, 4K drive SATA 8MB LF F/W: 01.01A01	KH.32008.022
WD	N500GB5.4KS	HDD WD 2.5" 5400rpm 500GB WD5000BEVT-22A0RT0, ML320M,WD SATA 8MB LF F/W:01.01A01	KH.50008.017
WD	N640GB5.4KS	HDD WD 2.5" 5400rpm 640GB WD6400BEVT-22A0RT0, ML320 SATA 8MB LF F/W:01.01A01	KH.64008.004
WD	N640GB5.4KS	HDD WD 2.5" 5400rpm 640GB WD6400BPVT-22HXZT1, ML375M SATA 8MB LF F/W: 01.01A01	KH.64008.005
WD	N750GB5.4KS	HDD WD 2.5" 5400rpm 750GB WD7500BPVT-22HXZT1, ML375M, 4K drive SATA 8MB LF F/W:01.01A01	KH.75008.009

Vendor	Type	Description	P/N
Keyboard			
ACER	AC7T_A10B	Keyboard ACER AC7T_A10B AC7T Internal 17 Standard Black NONE Y2010 Acer Texture	KB.I170A.143
LAN			
Broadcom	BCM57780	Broadcom BCM57780	NI.22400.047
LCD			
AUO	NLED15.6WXGAG	LED LCD AUO 15.6"W WXGA Glare B156XW02 V2 LF 200nit 8ms 500:1 (power saving)	LK.15605.010
CMO	NLED15.6WXGAG	LED LCD CMO 15.6"W WXGA Glare N156B6-L0B LF 220nit 8ms 650:1	LK.1560D.010
LPL	NLED15.6WXGAG	LED LCD LPL 15.6"W WXGA Glare LP156WH2-TLEA LF 220nit 16ms 500:1 (color engine)	LK.15608.011
SAMSUNG	NLED15.6WXGAG	LED LCD SAMSUNG 15.6"W WXGA Glare LTN156AT02-A04 LF 220nit 8ms 500:1	LK.15606.009
MEM			
NONE	SO1GBIII10	Memory NONE REG-ECC DDRIII 1066 1GB phantom p/n LF	KN.1GB00.003
NONE	SO2GBIII10	Memory NONE SO-DIMM DDRIII 1066 2GB dummy 1066 LF	KN.2GB00.001
NONE	SO4GBIII10	Memory NONE SO-DIMM DDRIII 1066 4GB dummy P/N LF	KN.4GB00.001
SAMSUNG	SO4GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 4GB M471B5273BH1-CF8 LF 256*8 0.055um	KN.4GB0B.007
NB Chipset			
INTEL	HM55	NB Chipset Intel CS BD82HM55	KI.G5501.002
ODD			
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT32N (R5-2) LF W/O bezel SATA with Renesas solution + PCC LD (HF + Windows 7)	KU.0080D.055
PANASONIC	NSM8XS	ODD PANASONIC Super-Multi DRIVE 12.7mm Tray DL 8X UJ8A0 LF W/O bezel SATA (HF + Windows 7) Foxconn Yentai Facotry	KU.00807.075
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A5SH LF+HF W/O bezel SATA With TI + Rohm Solution (HF + Windows 7)	KU.0080F.014
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)	KU.0080E.027
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633F LF W/O bezel SATA (HF + Windows 7)	KU.00801.040

Vendor	Type	Description	P/N
Software			
	NIS	Antivirus application NIS	SR.23900.002
VGA Chip			
AMD	MADISON_PRO	VGA Chip AMD MADISON_PRO 100-CK3625 40nm 29mm*29mm M2 package	KI.23200.169
AMD	PARK_XT	VGA Chip AMD PARK_XT 100-CK3627 40nm 29mm*29mm M2 package	KI.23200.162
None	UMA	UMA (Intel)	KI.23200.038
VRAM			
	1G-DDR3 (64*16*8)	1G-DDR3 64*16*8	KI.23300.018
	512M-DDR3 (64*16*4)	512M-DDR3 64*16*4	KI.23300.019
WiFi Antenna			
WNC	PIFA	PIFA	LZ.23500.006
Wireless LAN			
Foxconn	3rd WiFi 2x2 BGN	Foxconn Wireless LAN Broadcomm 43225 2x2 BGN (HM) T77H103.00	NI.23600.066
Foxconn	3rd WiFi 2x2 BGN	Foxconn Wireless LAN Atheros HB97 2x2 BGN (HM)	NI.23600.072
Foxconn	3rd WiFi BG	Foxconn Wirelss LAN Atheros HB95BG (HM) T77H121.10	NI.23600.077
QMI	3rd WiFi 2x2 BGN	QMI Wireless LAN Atheros HB97 2x2 BGN (HM)	NI.23600.074

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- Service guides for all models
- Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.

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