Aspire 4530/4230 Series
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

System Specifications

Features

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

Operating System

- Windows® Vista™

Platform

- AMD Better By Design program, featuring:
  - AMD Turion™ 64 X2 dual-core mobile processor*
  - AMD Athlon™ 64 X2 dual-core mobile processor*
  - Mobile AMD Sempron™ processor*
  - NVIDIA® nForce® MCP77MH
  - Acer InviLink™ 802.11b/g

System Memory

- Dual-Channel DDR2 SDRAM support
- Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules

Display and graphics

- 14.1" WXGA 1280 x 800
- NVIDIA® GeForce® 9100M G

Storage subsystem

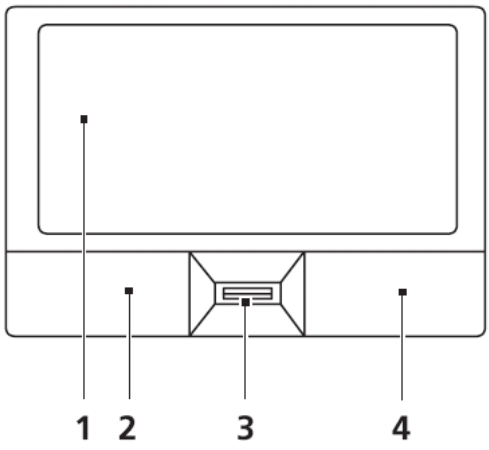
- 2.5" hard disk drive
- Optical drive options:
  - DVD-Super Multi double-layer drive*
  - DVD/CD-RW combo drive*
- 5-in-1 card reader

Audio

- Two built-in Acer 3DSonic stereo speakers
- High-definition audio support
- S/PDIF (Sony/Philips Digital Interface) support for digital speakers
- MS-Sound compatible
- Built-in microphone

Touch Pad Basics (with fingerprint reader)

The following items show you how to use the Touch Pad with Acer Bio-Protection fingerprint reader:



- Move your finger across the Touch Pad (2) to move the cursor.
- Press the left (1) and right (4) buttons located beneath the Touch Pad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the Touch Pad is the same as clicking the left button.
- Use Acer Bio-Protection fingerprint reader (3) supporting Acer FingerNav 4-way control function (only for certain models) or the 4-way scroll (3) button (only for certain models) to scroll up or down and move left or right a page. This fingerprint reader or button mimics your cursor pressing on the right scroll bar of Windows applications.

Function	Left Button (1)	Right Button (3)	Main Touch Pad (2)
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 Touch Pad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the Touch Pad on the second tap and drag the cursor.
Access context menu		Click once.	

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

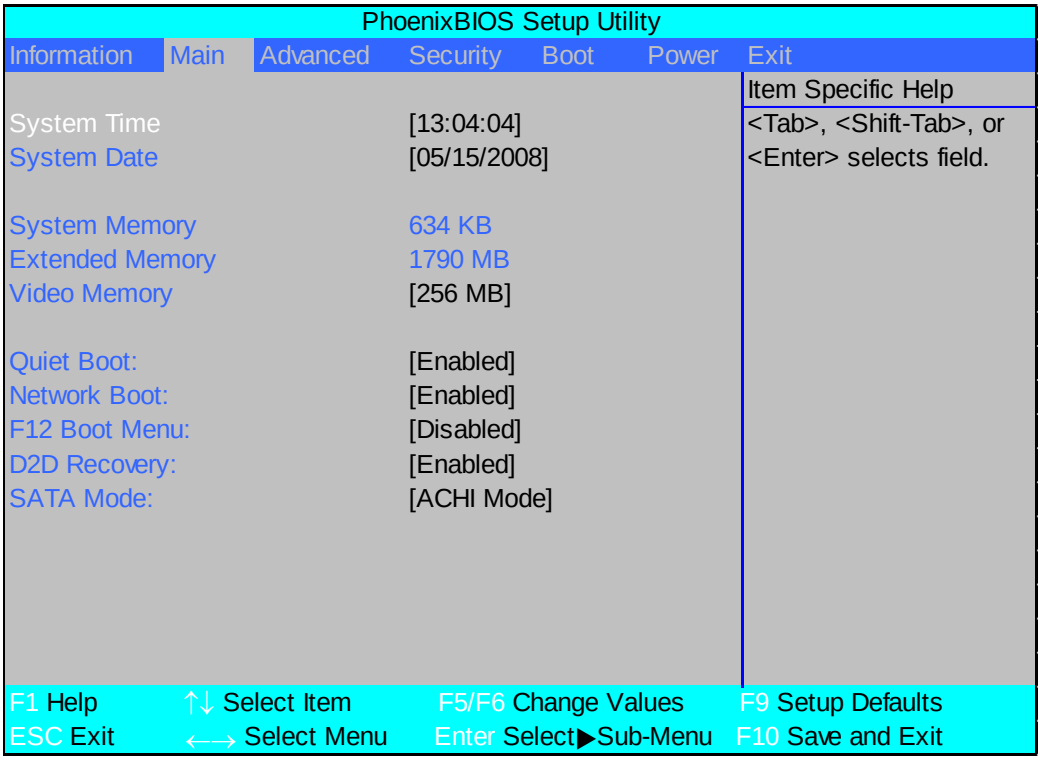
Item	Specifications				
Drive Format					
Disks	2, 2, 1	2, 1	2, 2, 1	2, 1	2, 1
Spindle speed (RPM)	5400	5400	5400	5400	5400
Performance Specifications					
Buffer size	8 MB	8 MB	8 MB	8 MB	8 MB
Interface	SATA	SATA	SATA	SATA	SATA
Internal transfer rate (Mbits/ sec, max)	643 ~ 665	778	370 ~ 730 typical	850 Mbits/s maximum	850 Mbits/s maximum
I/O data transfer rate (Mbytes/ sec max)	1.5 / 3.0	300	300	150 maximum	300 maximum
DC Power Requirements					
Voltage	5V ±5%	5V ±5%	5V ±5%	5V ±5%	5V ±5%

Combo Drive Module

Item	Specification	
Manufacturer and Model	Toshiba TS-L463A	Sony DL 24X CRX890S
Type	Drawer loading	Drawer loading
Interface	Serial ATA	Serial ATA
Data Transfer Mode	Gen1i 1.33 Gbits / sec	• Ultra DMA mode5 • Multi-word DMA mode 2 • PIO mode 4
Buffer Memory Size	2 MB	2 MB
Maximum Write Speed	• CD-Recordable 3,600 KB/sec • CD-Rewritable (Include 32X Ultra Speed Plus) 3,600 KB/sec	• DVD: 8X (10.56 Mbytes/sec) • CD: 24X (3,600 Kbytes/sec)

Main

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



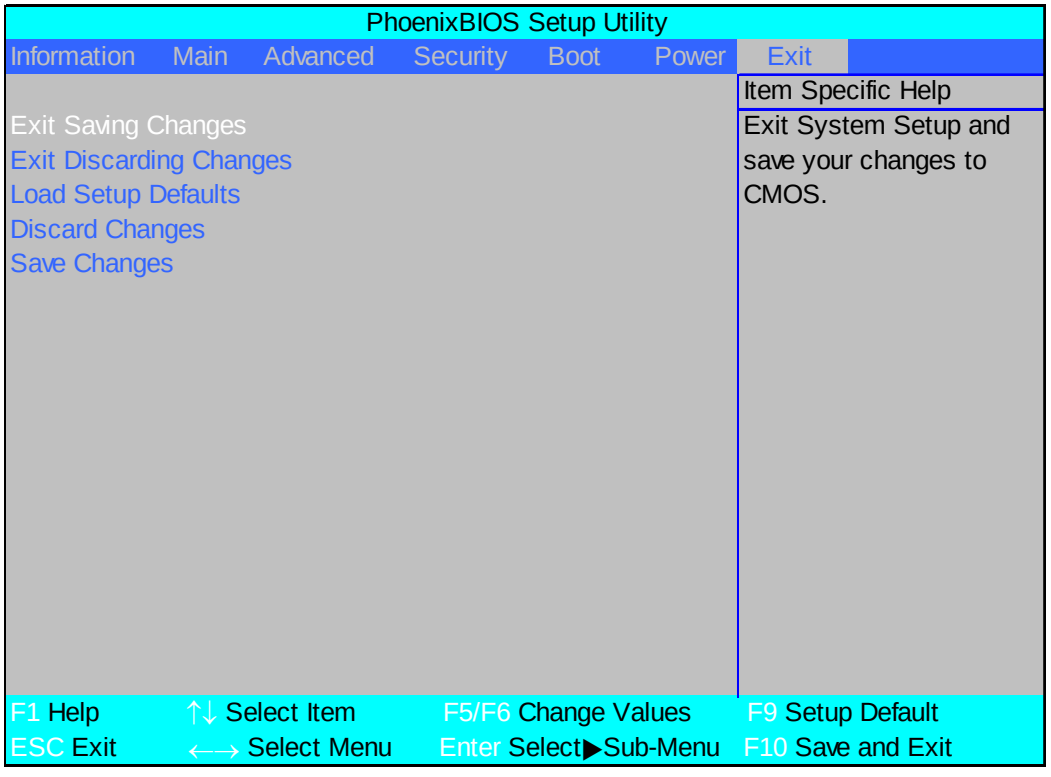
NOTE: The screen above is for your reference only. Actual values may differ.

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)
System Memory	This field reports the memory size of the system. Memory size is fixed to 3071 MB.	N/A
Extended Memory	This field reports the Extended Memory size. Memory size is fixed to 4094 MB.	N/A
Video Memory	Shows the video memory size. VGA Memory size=32 MB	N/A
Quiet Boot	Displays the logo screen 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

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.

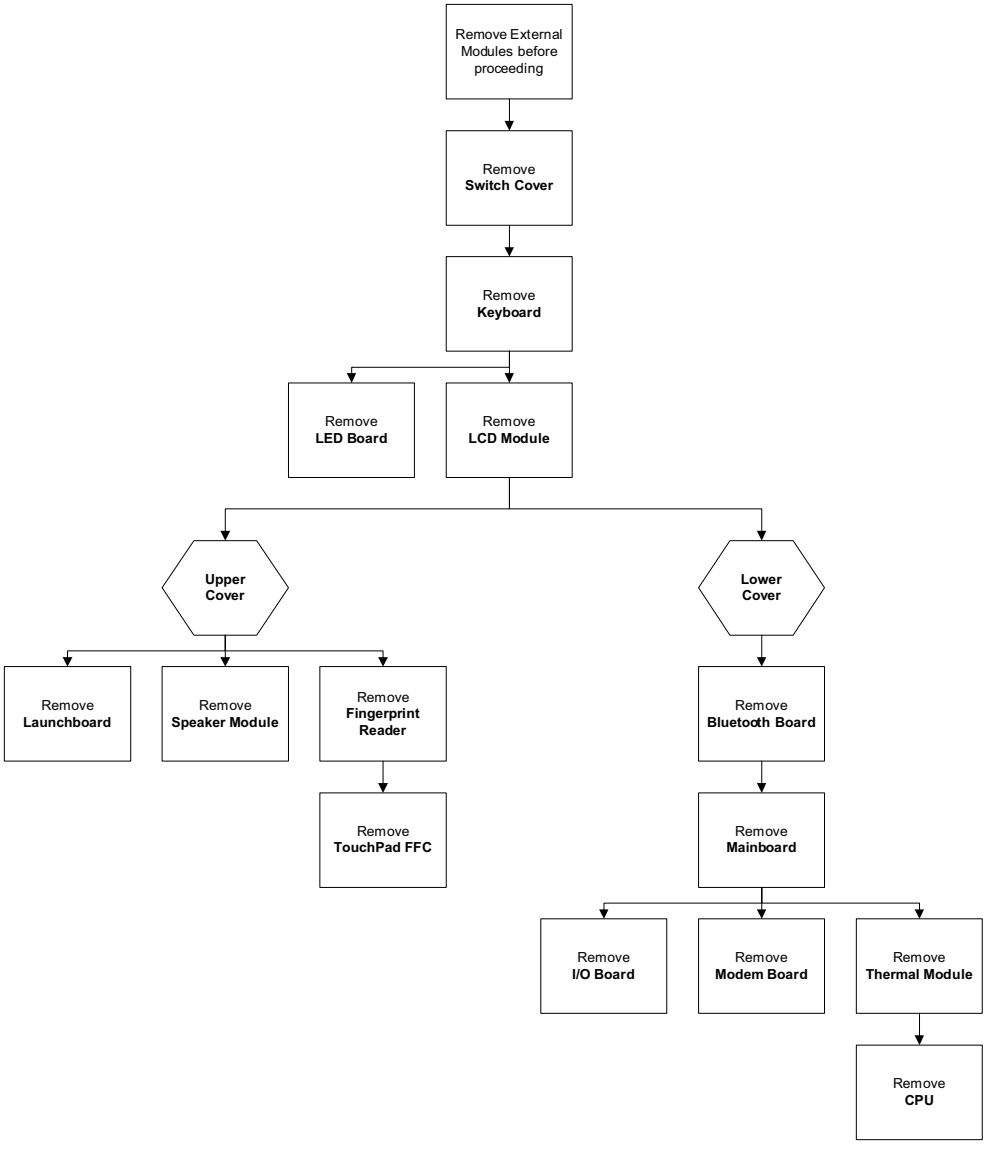
Removing the Express Dummy Card

1. Push the Express Dummy Card all the way in to eject it.

2. Pull it out from the slot.

Main Unit Disassembly Process

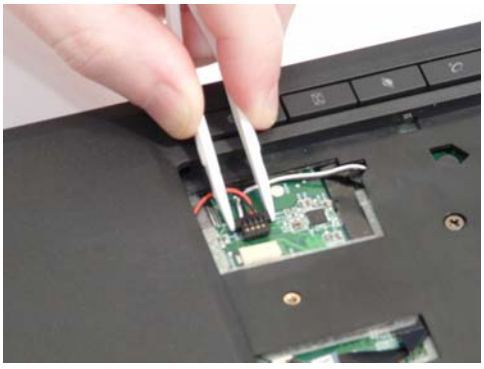
Main Unit Disassembly Flowchart



Screw List

Step	Size	Quantity	Acer Part No.
Switch Cover	M2.5*4	3	86.T23V7.009
LCD Module	M2.5*6.5	4	86.ARE07.001
	M2*3	4	86.A08V7.005
LED Board	M2.5*4	1	86.T23V7.009
Upper Cover	M2.5*6.5	11	86.ARE07.001
	M2.5*4	7	86.T23V7.009
Launch Board	M2.5*4	3	86.T23V7.009
Speaker Module	M2.5*4	4	86.T23V7.009
	M2.5*3	7	86.A03V7.010

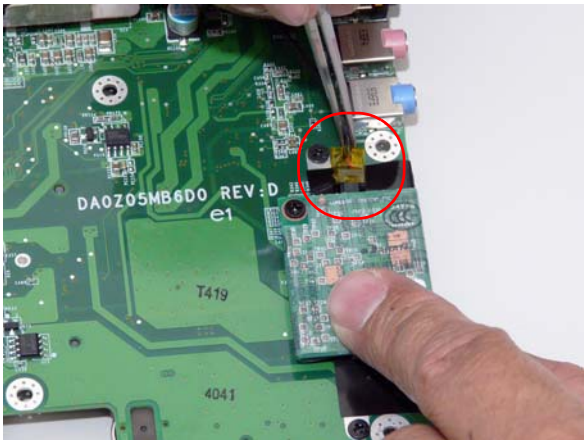
Disconnect E as shown.

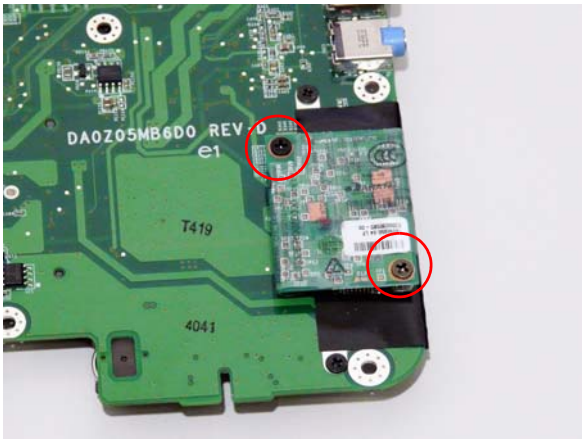


6. Remove the upper cover by lifting upward from the chassis.

Removing the Modem Module

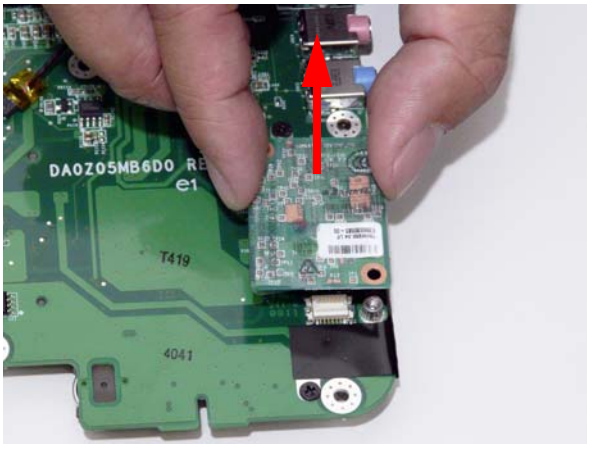
1. See “Removing the Mainboard” on page 80.
2. Remove the adhesive tape and two securing screws from the module.



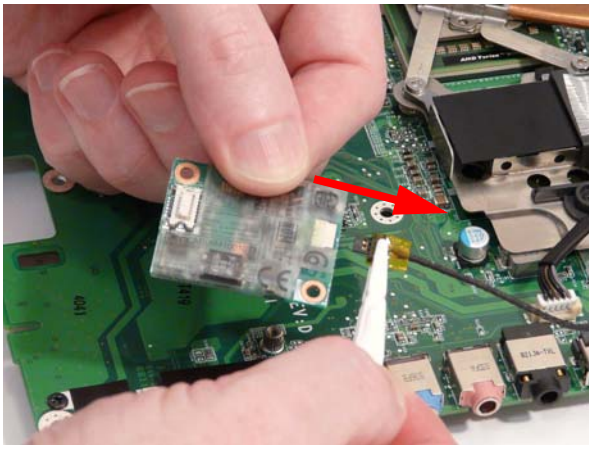


Step	Size	Quantity	Screw Type
Modem Module	M2.5*4	2	

3. Lift the Modem module from the Mainboard.

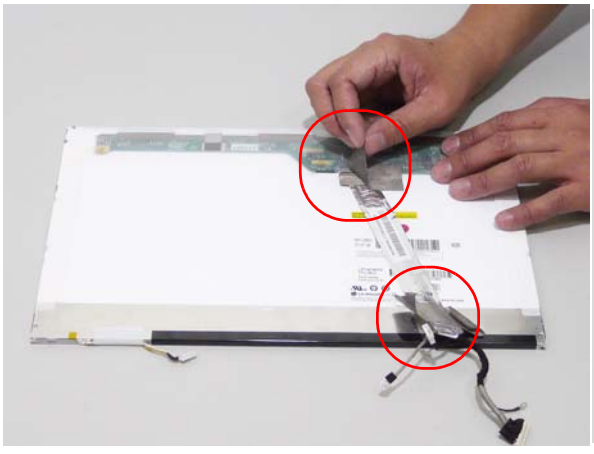
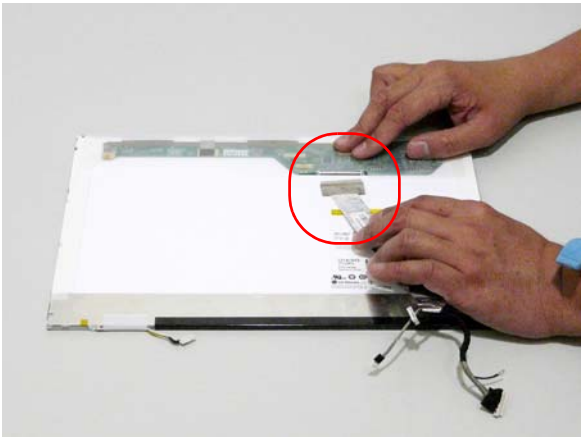


4. Turn the Modem module over and disconnect the modem cable from the board.



Removing the LCD Brackets and FPC Cable

1. See “Removing the LCD Panel” on page 90.
2. Turn the LCD panel over to expose the rear. Lift up the adhesive pads and detach the cables.

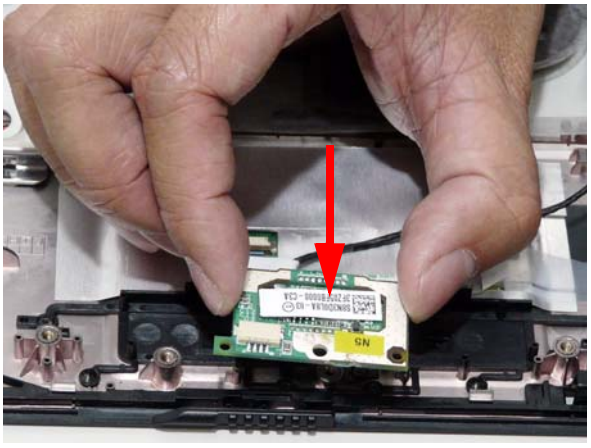
3. Remove the four securing screws (two on each side) from the LCD Panel brackets.


Step	Size	Quantity	Screw Type
LCD Panel	M2*3	4	

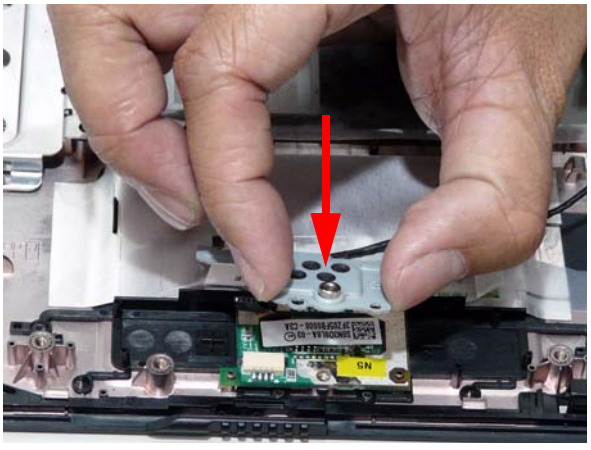
4. Remove the LCD brackets by pulling away from the LCD Panel as shown.

Replacing the Finger Print Reader

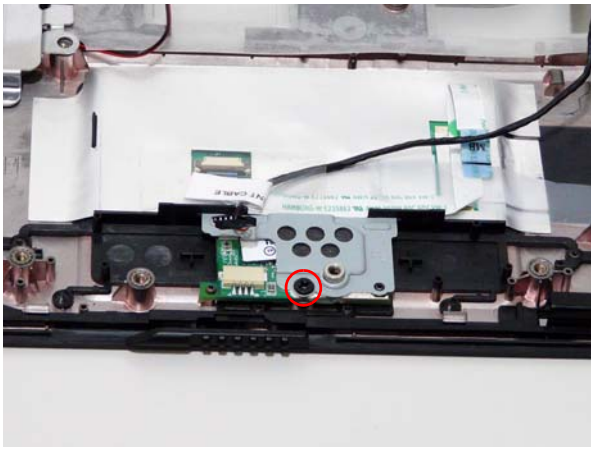
1. Replace the Finger Print Reader board.



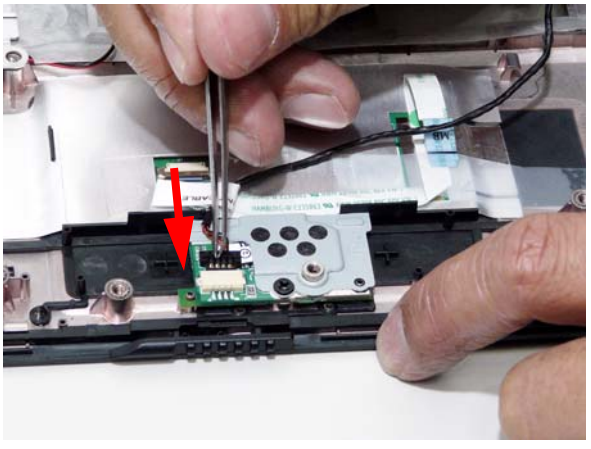
2. Replace the Fingerprint Reader bracket.



3. Replace the single securing screw.

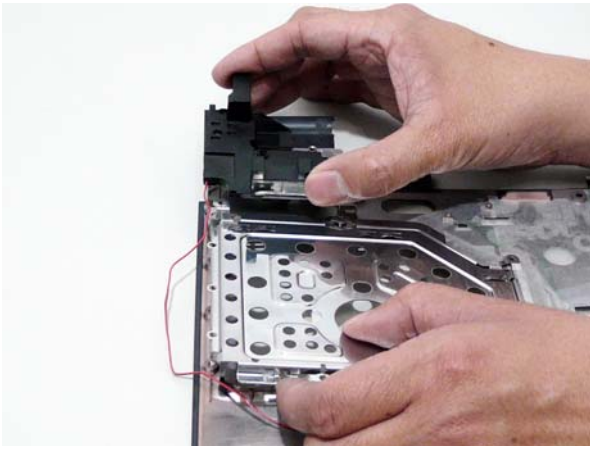


4. Connect the Finger Print Reader cable.



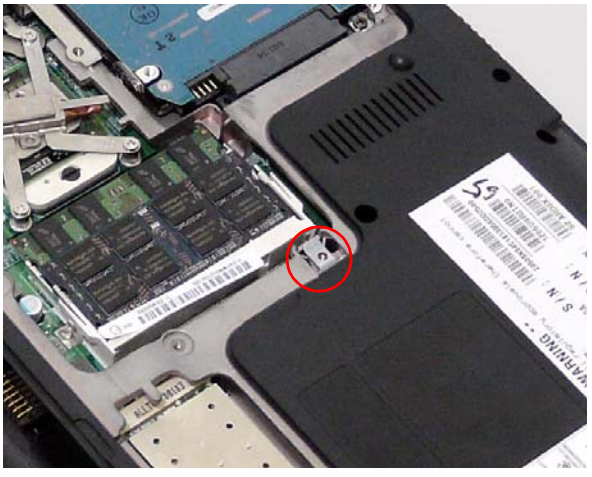
Replacing the Speaker Module

1. Replace the right speaker and align so that the screw sockets are visible.



3. Push the ODD module into the ODD bay as shown.

4. Ensure that the ODD is flush with the chassis and the screw socket is aligned with the screw socket in the lower base.

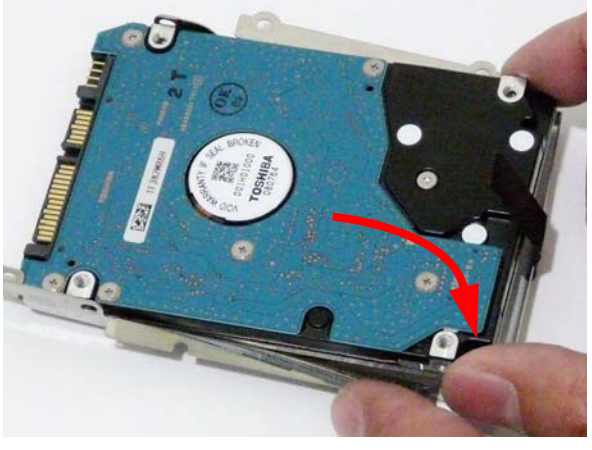


NOTE: Do not insert a screw to secure the ODD. The ODD is secured after replacing the lower cover and all captive screws are tightened.

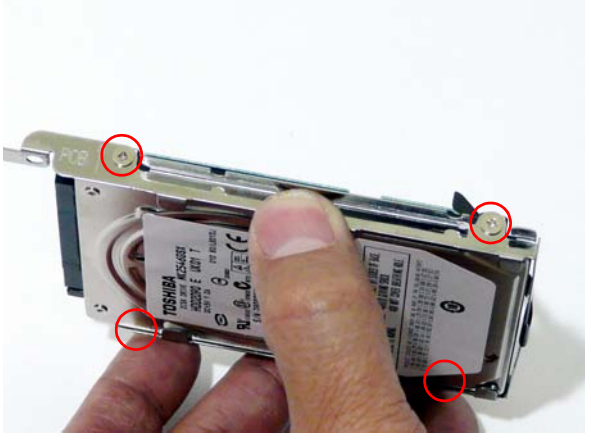
Replacing the Hard Disk Drive Module

NOTE: To prevent damage to device, avoid pressing down on it or placing heavy objects on top of it.

1. Insert the HDD in to the carrier.



2. Replace the four screws to secure the carrier.



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 187.

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**.

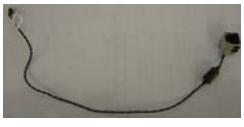
   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
9. Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
10. Roll back the mouse driver to the previous version if updated recently.
11. Remove and reinstall 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 187.

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.

POST Code	Function	Phase	Component
0x8B	Setup interrupt vector and present bit in Equipment byte.	LBT	Core
0x95	1. Check CMOS for CD-ROM drive present 2. Activate the drive by checking for media present 3. Check sector 11h (17) for Boot Record Volume Descriptor 4. Check the boot catalog for validity 5. Pick a boot entry 6. Create a Specification Packet	LBT	Core
0x92	Jump to UserPatch2.	LBT	Core
0xB6	If password on boot is enabled, a call is made to Setup to check password. If the user does not enter a valid password, Setup does not return.	LBT	Core
0x98	Search for option ROMs. ROM scan the area from C800h for a length of BCP_ROM_Scan_Size (or to E000h by default) on every 2K boundary, looking for add on cards that need initialization.	LBT	Core
0x93	Build the MPTABLE for multi-processor boards	LBT	Core
0xD9	IPMI late init	LBT	Core
0x9C	Set up Power Management. Initiate power - management state machine.	LBT	Core
0xC7	Late note dock init	LBT	Core
0x9E	Enable hardware interrupts	LBT	Core
0xA0	Setup time tick for current date/time	LBT	Core
0xA2	Setup Numlock indicator. Display a message if key switch is locked.	LBT	Core
0xA4	Initialize typematic rate	LBT	Core
0xDB	StrongROM Test	LBT	Core
0xE2	OEM security key test	LBT	Core
0xC2	Write PEM errors.	LBT	Core
0xBA	Initialize the SMBIOS header and sub-structures.	LBT	Core
0xC3	Display PEM errors.	LBT	Core
0xA8	Overwrite the "Press F2 for Setup" prompt with spaces, erasing it from the screen.	LBT	Core
0xAA	Scan the key buffer to see if the F2 key was struck after keyboard interrupts were enabled. If an F2 keystroke is found, set a flag.	LBT	Core
0xE1	Start Periodic Timer (TC Subscribe)	LBT	Core
0xAC	Check if "Enter SETUP" is pressed.	LBT	Core
0x8F	Count the number of ATA drives in the system and update the number in bdaFdiskcount.	LBT	Core
0x91	Configure the local bus IDE timing register based on the drives attached to it.	LBT	Core
0x9F	Check the total number of Fast Disks (ATA and SCSI) and update the bdaFdiskCount.	LBT	Core
0xD7	Check if FirstWare HPA exists	LBT	Core
0xAE	Clear ConfigFailedBit and InPostBit in CMOS.	LBT	Core
0xB0	Check for errors and decide if needs to run Setup.	LBT	Core
0xB2	Change status bits in CMOS and/or the TrustedCore data area to reflect the fact that POST is complete.	LBT	Core

Category	Description	Part Number
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(UK) 1.8M 3PBLACK FP010008-013	27.TATV7.003
	BLUETOOTH CABLE	50.TPK07.001
	MODEM CABLE	50.ARE07.001
	FFC LED CABLE	50.ARE07.002
Case/Cover/Bracket Assembly		
	MIDDLE COVER	42.ARE07.001
	UPPER CASE ASSY W/SPEAKER, TP, CABLES*2 FOR NON FP	60.ARE07.001
	UPPER CASE ASSY W/SPEAKER, TP, CABLES*3 FOR FP	60.ARE07.002
	LOWER CASE ASSY W/RUBBER	60.ARE07.003
	THERMAL COVER W/RUBBER	42.ARE07.002
	FP PLATE FOR NON FP	33.ARE07.001
	FP BRACKET	33.ARE07.002

Model	RO	Country	Acer Part no	Description
AS4230-401G12Mn	PA	ACLA-Spanish	LX.AP90C.001	AS4230-401G12Mn LINPUSAEA3 UMAE 1*1G/120/6L/5R/CB_bgn_HG_EN61
AS4230-401G16Mn	PA	USA	LX.AP90Y.012	AS4230-401G16Mn VHB32ATUS1 MC UMAE 1*1G/160/6L/5R/CB_bgn_HG_EN33
AS4230-401G16Mn	PA	USA	LX.AP90Y.011	AS4230-401G16Mn VHB32ATUS1 MC UMAE 1*1G/160/6L/5R/CB_bgn_HG_EN34
AS4230-401G16Mn	PA	USA	LX.AP90Y.010	AS4230-401G16Mn VHB32ATUS1 MC UMAE 1*1G/160/6L/5R/CB_bgn_HG_EN32
AS4230-401G16Mn	PA	Canada	LX.AP90Y.017	AS4230-401G16Mn VHB32ATCA2 MC UMAE 1*1G/160/6L/5R/CB_bgn_HG_FR31
AS4230-401G16Mn	PA	Canada	LX.AP90Y.016	AS4230-401G16Mn VHB32ATCA2 MC UMAE 1*1G/160/6L/5R/CB_bgn_HG_FR32
AS4230-401G16Mn	PA	Canada	LX.AP90Y.014	AS4230-401G16Mn VHB32ATCA2 MC UMAE 1*1G/160/6L/5R/CB_bgn_HG_FR33
AS4530-601G16Mi	EMEA	Middle East	LX.ARE0X.028	AS4530-601G16Mi EM VHP32ATME2 MC UMACE 1*1G/160/6L/5R/CB_bg_0.3D_HG_AR23
AS4530-601G16Mi	EMEA	Middle East	LX.ARE0X.031	AS4530-601G16Mi EM VHP32ATME2 MC UMACE 1*1G/160/6L/5R/CB_bg_0.3D_HG_EN15
AS4530-601G16Mi	EMEA	Middle East	LX.ARE0X.032	AS4530-601G16Mi EM VHP32ATME2 MC UMACE 1*1G/160/6L/5R/CB_bg_0.3D_HG_AR13
AS4530-601G16Mi	EMEA	Belgium	LX.ARE0X.007	AS4530-601G16Mi VHP32ATBE1 MC UMACE 1*1G/160/6L/5R/CB_bg_0.3D_HG_NL13
AS4530-701G16Mn	PA	ACLA-Portuguese	LX.ARE0X.114	AS4530-701G16Mn EM VHP32ATXC2 MC UMACE 1*1G/160/6L/5R/CB_bgn_0.3D_HG_XC21
AS4530-702G16Mn	PA	ACLA-Portuguese	LX.ARE0X.111	AS4530-702G16Mn EM VHP32ATXC2 MC UMACE 2*1G/160/6L/5R/CB_bgn_0.3D_HG_XC21
AS4530-702G25Mn	PA	ACLA-Portuguese	LX.ARE0X.108	AS4530-702G25Mn EM VHP32ATXC2 MC UMACE 2*1G/250/6L/5R/CB_bgn_0.3D_HG_XC21
AS4530-702G25Mi	PA	ACLA-Portuguese	LX.ARE0X.069	AS4530-702G25Mi VHP32ATXC2 MC UMACE 1*2G/250/6L/5R/CB_bg_0.3D_HG_XC22
AS4530-702G25Mi	PA	ACLA-Portuguese	LX.ARE0X.068	AS4530-702G25Mi EM VHP32ATXC2 MC UMACE 1*2G/250/6L/5R/CB_bg_0.3D_HG_XC21
AS4530-702G25Mi	PA	ACLA-Portuguese	LX.ARE0X.067	AS4530-702G25Mi EM VHP32ATXC1 MC UMACE 1*2G/250/6L/5R/CB_bg_0.3D_HG_XC22
AS4530-702G25Mi	PA	ACLA-Portuguese	LX.ARE0X.066	AS4530-702G25Mi VHP32ATXC1 MC UMACE 1*2G/250/6L/5R/CB_bg_0.3D_HG_XC21
AS4530-601G16Mn	PA	ACLA-Portuguese	LX.ARE0X.088	AS4530-601G16Mn EM VHP32ATXC2 MC UMACE 1*1G/160/6L/5R/CB_bgn_0.3D_HG_XC21
AS4530-702G16Mn	PA	ACLA-Portuguese	LX.ARE0C.028	AS4530-702G16Mn LINPUSAXC2 UMACE 2*1G/160/6L/5R/CB_bgn_0.3D_HG_EN62
AS4530-702G25Mn	PA	ACLA-Portuguese	LX.ARE0C.025	AS4530-702G25Mn LINPUSAXC2 UMACE 2*1G/250/6L/5R/CB_bgn_0.3D_HG_EN62
AS4530-602G16Mn	PA	ACLA-Portuguese	LX.ARE0X.096	AS4530-602G16Mn EM VHP32ATXC2 MC UMACE 2*1G/160/6L/5R/CB_bgn_0.3D_HG_XC21
AS4530-602G16Mn	PA	ACLA-Portuguese	LX.ARE0C.036	AS4530-602G16Mn LINPUSAXC2 UMACE 2*1G/160/6L/5R/CB_bgn_0.3D_HG_EN62
AS4530-601G16Mn	PA	ACLA-Portuguese	LX.ARE0C.022	AS4530-601G16Mn LINPUSAXC2 UMACE 1*1G/160/6L/5R/CB_bgn_0.3D_HG_EN62
AS4530-602G12Mi	PA	Canada	LX.ARE0X.046	AS4530-602G12Mi VHP32ATCA1 MC UMACE 2*1G/120/6L/5R/CB_bg_0.3D_HG_FR11
AS4530-601G16Mi	EMEA	Eastern Europe	LX.ARE0X.013	AS4530-601G16Mi VHP32ATEU1 MC UMACE 1*1G/160/6L/5R/CB_bg_0.3D_HG_CS21
AS4530-602G16Mi	EMEA	Denmark	LX.ARE0X.053	AS4530-602G16Mi VHP32ATDK1 MC UMACE 2*1G/160/6L/5R/CB_bg_0.3D_HG_NO13

Model	CPU	LCD	DIMM 1	DIMM2	HDD	ODD	WLAN	BT
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-400516Mn	SMPSI 4025W	N14.1 WXGAG	SO512MBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4230-400525Mn	SMPSI 4025W	N14.1 WXGAG	SO512MBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4230-403G32Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	SO2GBII6	N320G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4230-401G12Cn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NCB24XS	3rd WiFi 1x2 BGN	BT 2.0
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G12Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G12Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G12Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G12Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G12Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G12Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4230-401G16Mn	SMPSI 4025W	N14.1 WXGAG	SO1GBII6	N	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N

Model	CPU	LCD	DIMM 1	DIMM2	HDD	ODD	WLAN	BT
AS4530-802G25Mn	ATUZM80	N14.1 WXGAG	SO1GBII6	SO1GBII6	N250G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4530-824G32Mn	ATUZM82	N14.1 WXGAG	SO2GBII6	SO2GBII6	N320G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4530-804G32Mn	ATUZM80	N14.1 WXGAG	SO2GBII6	SO2GBII6	N320G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4530-702G32Mn	ATRM70	N14.1 WXGAG	SO1GBII6	SO1GBII6	N320G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	BT 2.0
AS4530-704G32Mn	ATRM70	N14.1 WXGAG	SO2GBII6	SO2GBII6	N320G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4530-702G25Mi	ATRM70	N14.1 WXGAG	SO2GBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi BG	N
AS4530-803G25Mi	ATUZM80	N14.1 WXGAG	SO2GBII6	SO1GBII6	N250G B 5.4KS	NSM8XS	3rd WiFi BG	BT 2.0
AS4530-802G25Mi	ATUZM80	N14.1 WXGAG	SO2GBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi BG	N
AS4530-802G25Mi	ATUZM80	N14.1 WXGAG	SO2GBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi BG	N
AS4530-802G25Mi	ATUZM80	N14.1 WXGAG	SO2GBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi BG	N
AS4530-802G25Mi	ATUZM80	N14.1 WXGAG	SO2GBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi BG	N
AS4530-802G25Mi	ATUZM80	N14.1 WXGAG	SO2GBII6	N	N250G B 5.4KS	NSM8XS	3rd WiFi BG	N
AS4530-602G25Mn	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N250G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4530-602G25Mn	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N250G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4530-602G25M	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N250G B 5.4KS	NSM8XS	N	N
AS4530-602G12Mn	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4530-602G25Mn	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N250G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4530-602G12Mn	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N120G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N
AS4530-602G16Mn	AAQL60	N14.1 WXGAG	SO1GBII6	SO1GBII6	N160G B 5.4KS	NSM8XS	3rd WiFi 1x2 BGN	N