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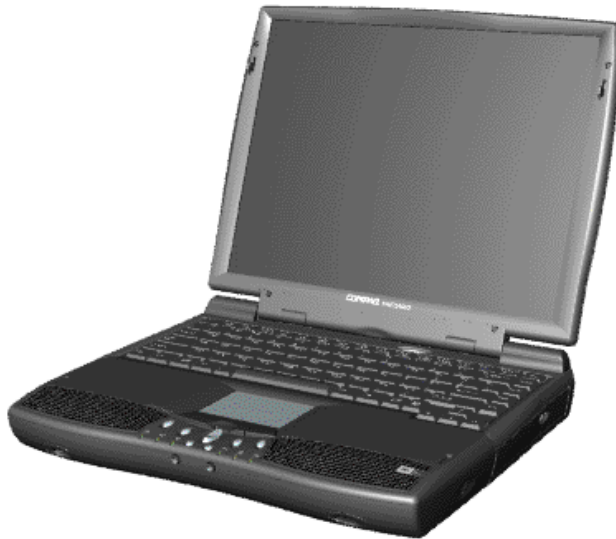
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maintenance & service guide

Presario 1200 Series
Models: XL101-XL113, XL115, XL118-XL127

Product Description



Compaq Presario 1200XL Series Portable Notebook Computer

Models and Features

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL101, XL102, XL103	XL104, XL105, XL106
Display	12.1" HPA	12.1" HPA or 13.0" HPA
Processor	AMD-K6II MMX 450MHz	AMD-K6II MMX 450MHz or AMD-K6II MMX 475MHz
Hard Drive	4.8GB or 5.0GB	5.0GB
CD or DVD Drive	24X CD-ROM	24X CD-ROM
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	4.5Ahr NiMH or 3.5Ahr LiOn	4.5Ahr NiMH or 3.5Ahr LiOn
System Memory	32MB or 64MB	32MB or 64MB

Additional models described on the next page.

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Presario 1200 Series Models: XL101-XL113, XL115, XL118-XL127

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL107	XL108, XL109
Display	13.0" HPA	12.1" TFT/LVDS
Processor	AMD-K6II MMX 475MHz	AMD-K6II MMX 450MHz or AMD-K6II MMX 475MHz
Hard Drive	6.0GB	6.0GB
CD or DVD Drive	24X CD-ROM	24X CD-ROM or 6X DVD
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	4.5Ahr NiMH or 3.5Ahr LiOn	3.5Ahr LiOn or 4.5Ahr NiMH
System Memory	64MB	32MB or 64MB

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL110	XL111
Display	12.1" TFT	13.3" TFT/LVDS
Processor	AMD-K6II MMX 475MHz	AMD-K6II MMX 500MHz
Hard Drive	6.0GB	6.0GB
CD or DVD Drive	24X CD-ROM	6X DVD
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	3.5Ahr LiOn or 4.5Ahr NiMH	3.5Ahr LiOn
System Memory	32MB or 64MB	64MB

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL112, XL113	XL115
Display	12.1" TFT or 13.0" TFT	12.1" HPA
Processor	AMD-K6II MMX 450MHz+ or AMD-K6II MMX 500MHz+	AMD-K6II MMX 475MHz
Hard Drive	5.0GB or 6.0GB	5.0GB
CD or DVD Drive	24X CD-ROM or 6X DVD	24X CD-ROM
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	4.5Ahr NiMH or 3.2Ahr LiOn	4.5Ahr NiMH
System Memory	32MB or 64MB	Information not available

Additional models described on the next page.

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Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL118	XL119
Display	13.0" HPA	12.1" TFT or 12.1" TFT/LVDS
Processor	AMD-K6II MMX 500MHz	AMD-K6II MMX 475MHz
Hard Drive	6.0GB	6.0GB
CD or DVD Drive	24X CD-ROM	24X CD-ROM
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	4.5Ahr NiMH	3.5Ahr LiOn
System Memory	64MB	64MB

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL120	XL121
Display	12.1" HPA	12.1" HPA
Processor	AMD-K6II MMX 500MHz	AMD-K6II MMX 500MHz
Hard Drive	5.0GB	5.0GB
CD or DVD Drive	24X CD-ROM	24X CD-ROM
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	4.5Ahr NiMH	4.5Ahr NiMH
System Memory	32MB	64MB

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL122	XL123, XL124
Display	12.1" HPA	13.0" HPA
Processor	AMD-K6II MMX 475MHz	AMD-K6II MMX 500MHz
Hard Drive	5.0GB	6.0GB
CD or DVD Drive	24X CD-ROM	24X CD-ROM
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	4.5Ahr NiMH	4.5Ahr NiMH
System Memory	64MB	64MB

Additional models described on the next page.

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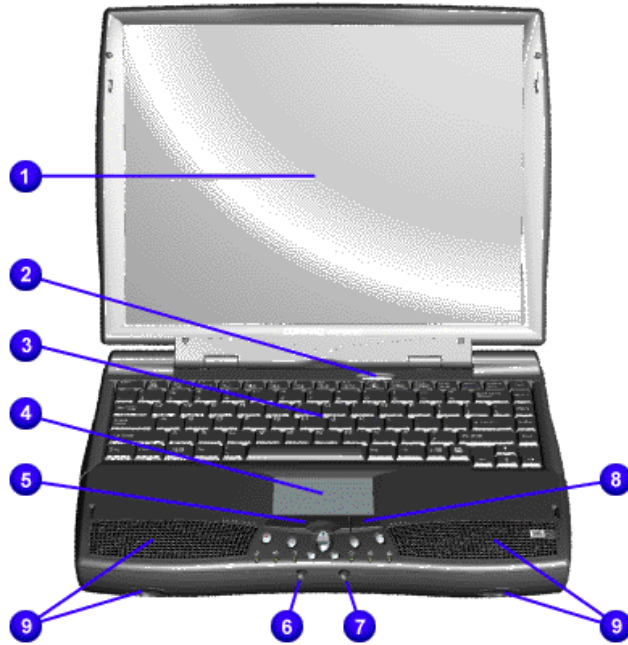
Models: XL101-XL113, XL115, XL118-XL127

Compaq Presario 1200 Series Portable Notebook Models		
Feature	XL125	XL126, XL127
Display	13.3" TFT	13.0" HPA
Processor	AMD-K6II+ MMX 533MHz	AMD-K6II+ MMX 533MHz
Hard Drive	6.0GB	6.0GB
CD or DVD Drive	6X DVD	24X CD-ROM
Modem	56.0Kbps PCI data/fax	56.0Kbps PCI data/fax
Battery	3.2Ahr LiOn	3.2Ahr LiOn
System Memory	64MB	96MB

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Front of Unit

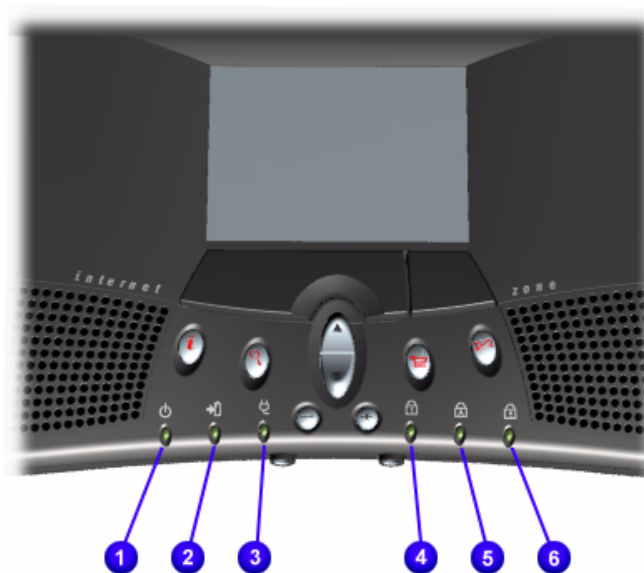


#	Description	#	Description
①	Display	⑥	Headphone Jack
②	Power (On/Off) Button	⑦	Microphone Jack
③	Keyboard	⑧	Right TouchPad Button
④	TouchPad	⑨	Integrated Speakers and Ports
⑤	Left TouchPad Button		

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Front Bezel Lights



#	Description	#	Description
❶	Power Light	❷	Battery Charging Light
❸	Power Cord Light	❹	Num Lock Light
		❺	Caps Lock Light
		❻	Scroll Lock Light

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Right-Side Components



#	Description
❶	Battery Compartment
❷	CD or DVD Drive Eject Button
❸	CD or DVD Drive Manual Eject Hole

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Left-Side Components

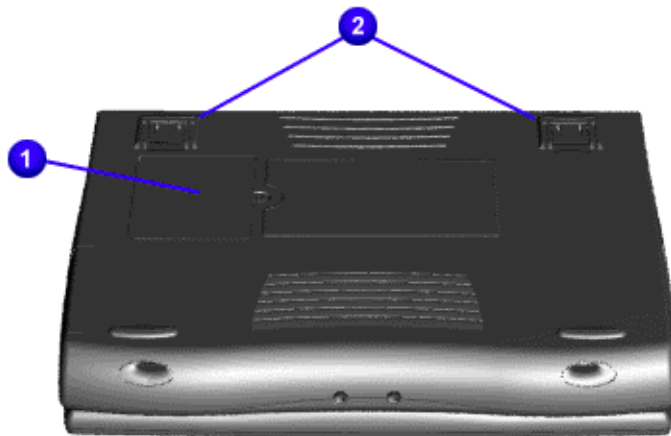


#	Description	#	Description
①	PC Card Eject Lever	③	Diskette Drive
②	PC Card Slot	④	Diskette Drive Eject Button

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Underside of the Unit



#	Description
❶	Memory Compartment
❷	Stand Feet

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Rear Connectors



#	Description	#	Description
❶	AC Adapter	❺	External VGA Monitor Port
❷	Universal Serial Bus	❻	Parallel/Printer Port
❸	Security Slot	❼	Keyboard/Mouse Port
❹	Serial Port	❽	Modem Jack

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Power Management

The following power management features are available for conserving AC power and extending battery operating time:

- [Power Management Settings](#)
- [Low-Power Modes](#)
- [Battery Operating Life](#)
- [Servicing the Notebook - Full Off Mode](#)
- [Rebooting after a Lockup](#)
- [Recovering from a Loss of Electrical Power](#)

Power Management Settings

Differing patterns of Notebook use determine the level of power management needed. These power management levels can be initiated based on the amount of time since the last system activity. System activity includes keyboard strokes, mouse movement, DVD/CD playback (while under program control that monitors Standby), and modem use.

Power Schemes

You may select different settings or *Power Schemes* through Power Management from the Control Panel. The default Power Schemes are **Home/Office Desk**, **Portable/Laptop**, and **Always On**. The settings can be customized by changing the following options:

- **System Standby:** length of inactivity before the Notebook goes into Standby mode
- **Turn Off Monitor:** length of inactivity before the screen times out and goes blank
- **Turn Off Hard Disks:** length of inactivity before the hard drive goes into low power mode

Important: The setting for the Hard Disk must be less than or equal to the setting for System Standby. If the Notebook is on a network, Compaq recommends that **System Standby** be set to **Never**.

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The following table shows the default settings for each Power Scheme.

Power Schemes		
Always on	AC Power (hrs/min/Never)	Battery Power (hrs/min/Never)
System Standby Turn OFF Monitor Turn OFF Hard Disks		
Portable/Laptop	AC Power	Battery Power
System Standby Turn OFF Monitor Turn OFF Hard Disks		
Home/Office Desk	AC Power	Battery Power
System Standby Turn OFF Monitor Turn OFF Hard Disks		

Alarms

The Notebook can be set to alarm when the battery power level is reduced or when it reaches a critical low level. The Notebook can also be set automatically to enter a low-power mode when the battery reaches a specified power level.

The following table lists the default alarm settings.

Alarms Tab Default Settings		
Alarm	Default	Alarm Action
Low Battery	10%	Notification: Text Power Mode: No Action
Critical Battery	0%	Notification: No Action Power Mode: Hibernation

CAUTION: The settings on the Alarms tab are preset for the Notebook to run at its best. Changing any of these settings could cause the Notebook to function improperly. It is recommended that these settings be left at their default values.

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SpeedStep Technology Modes

Does Era have SpeedStep? If so, are the settings listed below correct?

SpeedStep Technology features several speed options for processor response to low-power conditions. These include the following settings:

- **Maximum Performance:** always at high speed
- **Battery Optimized:** always at low speed
- **Reversed:** opposite recommended
- **Recommended:** performance on AC, Battery Optimized on Battery
- **Disabled:** no run time support, high speed

SpeedStep options can be accessed in three ways:

- Access **F10** Setup during startup and select the **Advanced** screen.
- Click **Start>Settings>Control Panel>Power Options>Intel(R) SpeedStep^(TM) technology** tab.
- Double-click the Flag icon on the Windows taskbar to open the **Intel(R) SpeedStep^(TM) technology** dialog box.

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Low-Power Modes

Compaq Presario 1200 Series Notebook Computers have two levels of low-power management: **Hibernation** and **Standby** (also known as *Sleep* mode).

Hibernation

Hibernation helps conserve battery life and protect data. Your Notebook automatically enters Hibernation mode when the battery has little power left or when the Notebook (operating on battery power) is in Standby mode for more than **one hour**. As the Notebook enters Hibernation, it automatically stores the contents of the Notebook memory to the hard drive before it shuts down. When the Notebook comes out of Hibernation, it returns to its former state.

Activate Hibernation mode by pressing the **Power** button once.


To restart the Notebook, press the **Power** button once. When the Notebook enters or wakes from Hibernation mode, a Progress window is displayed on the screen.

Standby

Standby is a low-power mode, also referred to as *Sleep* mode. Selecting Standby mode instead of turning off the Notebook has two advantages: It allows the Notebook to wake up faster than turning it completely off; and it saves more power than the active (On) mode.

To activate Standby/Sleep mode, complete one of the following:

- Press **Fn+F4**.
- Click **Start**, select the **Shut Down** option, and click **Standby**.

 **CAUTION:** The Notebook maintains system information and open files while in Standby mode. However, unsaved information is lost if the Notebook is turned off prior to system wake-up, or if a power loss occurs while using the AC adapter.

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The following table shows the conditions and indicators for entering and exiting the various power management modes, Standby, Hibernation, and Off.

Power Management Modes			
Standby	Activation	Deactivation	Indicators
Manual	Press Fn+F4 key combination or click the Start button on the Windows taskbar, then point to Shutdown and click Standby .	Press any key.	Flashing Power light*
Time-Out Default	15 minutes if using battery power. Notebook will not automatically enter Standby mode if using AC Power.		

Power Management Modes			
Hibernate	Activation	Deactivation	Indicators
Manual	Press Power button once.	Press Power button once.	Power light is off, screen is blank**
Time-Out Default	When battery is low or after 1 hour of Standby. Notebook will not automatically enter Hibernation mode if using AC Power.	Press Power button once.	Power light is off, screen is blank**

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Power Management Modes			
Off	Activation	Deactivation	Indicators
Standard	Perform normal Windows shutdown using the Start button on the Windows taskbar.	Press Power button once.	Power light is off, screen is blank.
Manual	Press and hold down the Power button for 4 sec.		

Important: The manual shutdown mode is not recommended unless the standard shutdown mode is unsuccessful.

Battery Operating Life

Battery operating life is affected by variables such as:

- Power conservation settings
- Hardware configuration
- Software application options
- Display brightness
- Hard drive usage
- Changes in operating temperature
- Type and number of installed PC cards

For more information on increasing battery-pack operating time, conditioning the battery pack, and disposing of a used battery pack, refer to [Battery Pack Operations](#).

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Servicing the Notebook - Full Off Mode

The Notebook must be turned off completely (Off mode) when installing or replacing components in the system. Follow the instructions for properly putting the Notebook into Off mode, unplugging it from the outlet, and removing the battery (see [Battery Pack Removal Sequence](#)).

Rebooting after a Lockup

To reboot the Notebook (from a cold start) when the keyboard is frozen or the screen is locked, press and hold down the Power button for at least four seconds; this causes a manual shutdown. Then, restart your Notebook with a single press of the **Power** button.

If the Notebook still does not recover, press the **Power** button and hold for four seconds to shut it down, then remove the battery or unplug the AC power for at least 30 seconds. Reinsert the battery or reconnect AC power and press the **Power** button once to reboot.

Recovering from a Loss of Electrical Power

Loss of electrical power causes the Notebook to turn off automatically. This may cause loss of data because the Microsoft Windows operating system is not able to close all files and programs properly.

Loss of power may be caused by one of the following:

- Electrical power service is interrupted.
- The power cord is accidentally disconnected.

If power surges or sags, the display and status lights may flicker, and the Notebook may automatically restart. If an improper shutdown occurs, ScanDisk, a Microsoft Windows utility program, runs automatically once power is restored. ScanDisk determines if the improper shutdown caused any errors on the hard disk. These errors may occur if the Microsoft Windows operating system is not able to close all files properly before the shutdown. If no errors are found, the restart process continues. If ScanDisk does detect errors, follow the instructions on the screen to continue the restart process. Work that was not saved before the loss of power or shutdown may be lost.

If a power failure occurs, or the power cord disconnects while the Notebook is turned on, turn it off until normal service is restored. The next time the Notebook is turned on, ScanDisk may run to check the hard disk for errors caused by improper shutdown.



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