Installation Instructions

hp ProLiant ML350 Storage Server

This document is for the person who installs, administers, and troubleshoots servers and storage systems. HP assumes you are qualified in servicing computer equipment and trained in recognizing hazards in products with hazardous energy levels.

Operating system

The HP ProLiant ML350 Storage Server is preloaded with the Windows® Storage Server 2003 operating system. Prior to power up, deployment instructions found in the *"Installation Guide"* should be followed to enable the successful configuration of the storage server in addition to the guidelines found below.

Required Items:

- Installation Guide
- Administration Guide

To begin the first-time startup procedure:

- Be sure that the server is safely installed in an adequate environment.
- Be sure that the power cables and peripheral devices are plugged in and AC power is supplied to the server.
- Refer to the Installation Guide prior to powering up the server.
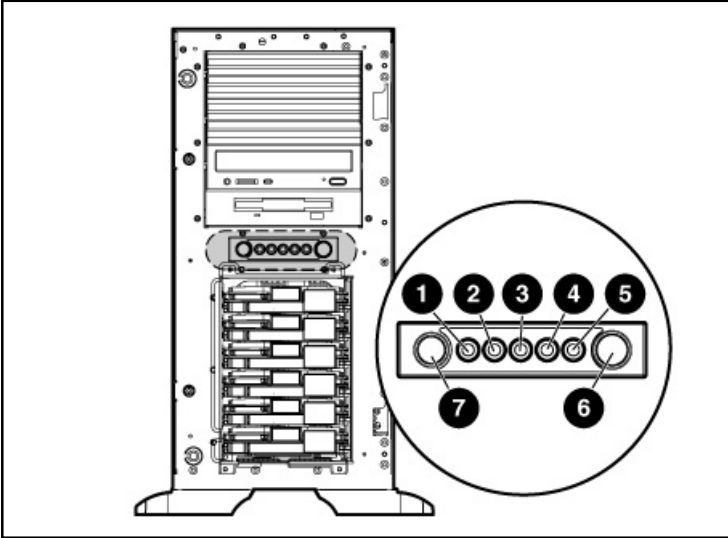
Product documentation

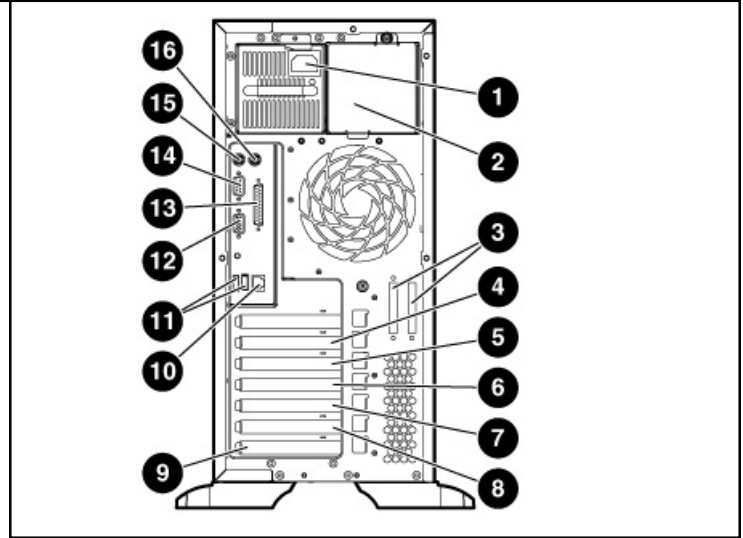|	
Installation Instructions	rack installation poster
Rack template	tool used during rack installation
Documentation CD	contains: ■ Administration Guide ■ Installation Guide
Installation Guide	requirements and configuration options
Administration Guide	provides administrative and procedural instructions to manage the storage server
HP Warranty fulfillment document	provides instructions to obtain a printed warranty
HP *Important Safety Information* booklet	Safety information for HP storage, power, networking and rack products

Rack option

A separate rack mount kit is required to install this storage server into a rack. For information download the *HP ProLiant ML350 G4 Server Reference and Troubleshooting Guide* at:

http://www.docs.hp.com

Callouts

Item	Description	
❶	UID switch and LED	Blue = Activated
		Flashing = System managed remotely
		Off = Deactivated
❷	Int system health LED	Green = Normal (system on)
		Amber = System health is degraded
		Red = System health is critical
		Off = Normal (system off)
❸	Ext system health LED	Green = Normal (system on)
		Red = Power redundancy failure.
❹	NIC link/activity LED	Green = Linked to network
		Flashing green = Linked with activity
		Off = No network connection
❺	Power on LED	On = Power
		Amber = System off power available
		Off = No power
❻	System Power	
❼	UID button	

Item	Description
❶	Power cord connector
❷	Optional hot-plug redundant power supply
❸	SCSI connector knockouts
❹	PCI Express x4 (half length card), slot 1
❺	PCI Express x8 (full length card), slot 2
❻	64-bit 100 MHz PCI-X slot, bus 9, slot 3
❼	64-bit 100 MHz PCI-X slot, bus 9, slot 4
❽	64-bit 133 MHz PCI-X slot, bus 6, slot 5
❾	64-bit 66 MHz PCI-X slot, bus, 2, slot 6
❿	RJ-45 Ethernet connector
⓫	USB 2.0 connectors (2)
⓬	Video connector
⓭	Parallel connector
⓮	Serial connector
⓯	Keyboard connector
⓰	Mouse connector

Installing a storage server (tower)

Follow the steps in this section to set up a tower model server.

⚠ **WARNING:** To reduce the risk of electric shock, fire, or damage to the equipment, do not plug telephone or telecommunications connectors into RJ-45 connectors.

1. Connect network cable and any peripheral devices to the server.
2. Connect the power cord to the back of the server.
3. Connect the power cord to the AC power source.

⚠ **WARNING:** To reduce the risk of personal injury or damage to the equipment:

- Do not disable the power cord grounding plug. The grounding plug is an important safety feature.

- Plug the power cord into a grounded (earthed) electrical outlet that is easily accessible at all times.

- Unplug the power cord from the power supply to disconnect power to the equipment.

- Do not route the power cord where it can be walked on or pinched by items placed against it. Pay particular attention to the plug, electrical outlet, and the point where the cord extends from the server.

Registering your storage server

To register your product visit the HP Registration web site at:

http://www.register.hp.com