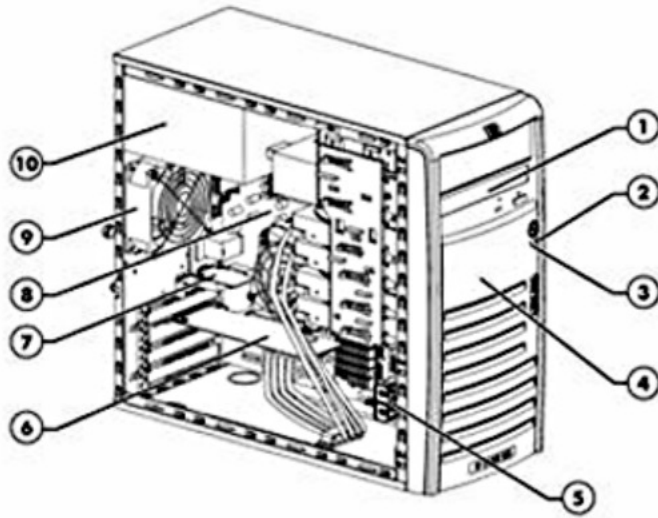


QuickSpecs

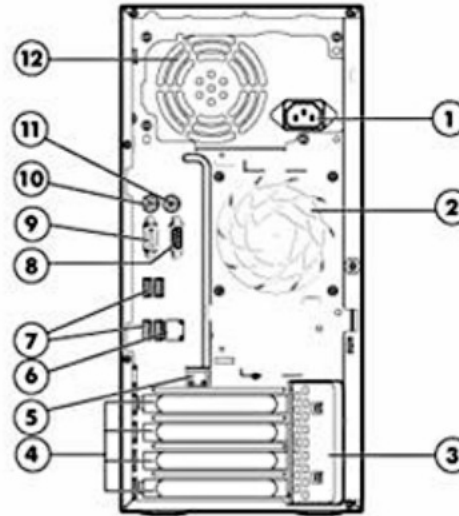
HP ProLiant ML115 Generation 5 (G5)

Overview



Front View:

1. DVD-ROM Drive
2. Power LED
3. Drive Activity LED
4. Front Bezel
5. Full Length Card Retainer
6. HDD Controller Card (Optional)
7. HP ProLiant100 G5 Lights-Out 100c Remote Management Card port (Optional)
8. System Board
9. Rear System Fan
10. 365W Power Supply



Rear View:

1. Power Supply Outlet
2. Rear System Fan
3. PCI Slot Cover Lock
4. PCI Slot Covers
5. HP ProLiant100 G5 Lights-Out 100c Remote Management Card port (Optional)
6. LAN Port (RJ-45)
7. Rear USB 2.0 Ports
8. Serial Port
9. VGA Port
10. PS/2 Keyboard Port
11. PS/2 Mouse Port
12. Power Supply Unit (PSU) Fan

What's New

- Support for SATA Non-hot plug Midline Hard Drives

Overview

At A Glance

- **Processor:**
 - AMD Opteron™ processors Model 1300 series
 - AMD Athlon™ processor Model 4450B
 - AMD Athlon™ processor Model 1640B
 - nVidia NFP3400 chipset
- **Memory:**
 - Four (4) DIMM slots
 - 1 GB (1x1GB) Standard/8GB Maximum, using PC2-6400 DDR2 Unbuffered ECC memory, operating at 800MHz
- **Storage Controller:**
 - 4 Port SATA controller with Embedded RAID on Motherboard (RAID 0, 1, 5)
- **Internal Drive Support:**
 - 4 HDD Support
 - Internal SAS storage capacity of up to 1.8TB (4 x 450GB 3.5" SAS drives)
 - Internal SATA storage capacity of up to 4.0TB (8 x 2TB 3.5" SATA drives)
- **Network Controller:**
 - Embedded NC105i PCI Express Gigabit Ethernet Server Adapter
- **Expansion Slots:**
 - Slot 1: PCI 32-bit/33MHz at 3.3V
 - Slot 2: PCI-Express x1 connector with x1 link
 - Slot 3: PCI-Express x8 connector with x8 link
 - Slot 4: PCI-Express x16 connector with x16 link
- **USB 2.0 Ports:**
 - Eight (8) USB 2.0 ports: 2 front , 4 rear, 2 internal (one for tape, one for standard USB device)
- **Power Supply:**
 - 365 Watts Non-Hot Plug, Non Redundant Power Supply
- **Management:**
 - Standard Lights Out 100 IPMI 2.0 reporting
 - Optional HP ProLiant 100 G5 Lights Out 100c Remote Management Card
 - Standard HP ProLiant ML115 G5 Easy Set-Up CD
- **Operating System:**
 - Supports Windows, RHEL and SLES
- **Form Factor:**
 - Micro ATX tower (4U)
NOTE: Rack mounting available via HP Tower to Rack Conversion Tray, Universal Kit. Please see the options section in this QuickSpecs.
- **Warranty:**
 - This product is covered by a global limited warranty and supported by HP Services and a worldwide network of HP Authorized Channel Partners. Hardware diagnostic support and repair is available for one year from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HP Care Pack services or customized service agreements. Hard drives have either a one year or three year warranty, depending on the specific hard drive. Official Service and Support information is available at www.hp.com/go/quickstarts.

Standard Features

Processor

One of the following depending on Model

Quad-Core Processors

AMD Opteron™ Processor Model 1356 (2.3 GHz, 75W, 2MB)

NOTE: Offered through Configure-To-Order only. See Factory Integrated Models section for more details.

AMD Opteron™ Processor Model 1354 (2.2 GHz, 75W, 2MB)

AMD Opteron™ Processor Model 1352 (2.1 GHz, 75W, 2MB)

NOTE: Offered through Configure-To-Order only. See Factory Integrated Models section for more details.

Dual-Core Processors

AMD Athlon™ Processor Model 4450B (2.3 GHz, 45W, 1MB)

NOTE: Offered through Configure-To-Order only. See Factory Integrated Models section for more details.

Single-Core Processors

AMD Athlon™ Processor Model 1640B (2.7 GHz, 45W, 512KB)

NOTE: Offered through Configure-To-Order only. See Factory Integrated Models section for more details.

NOTE: Processor wattage references reflect Average CPU Power (ACP). For more information on ACP visit: <http://www.amd.com/powernow>.

Cache Memory

One of the following depending on Model

2MB Level 2 cache (AMD Opteron™ 1300 Series)

1MB Level 2 cache (AMD Athlon™ 4450B models)

512KB Level 2 cache (AMD Athlon™ 1640B models)

Chipset

nVidia NFP3400

NOTE: For more information regarding AMD chipsets, please see the following URL:

<http://www.amd.com/products/chipsets/>

Memory Protection

ECC

Memory

Type	PC2-6400 unbuffered DDR2 ECC 800MHz
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Standard	1GB (1x1GB)
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Maximum	8 GB
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QuickSpecs

HP ProLiant ML115 Generation 5 (G5)

Standard Features

Expansion Slots #	Technology	Bus Width***	Connector Width	Bus Number*	Device Number**	Form Factor	Notes
1	PCI	32-bit	N/A	1	8	Full height slot	33MHz/3.3V
2	PCI-e	X1	X1	4	0	Full height slot	
3	PCI-e	X8	X8	2	0	Full length, full height slot	
4	PCI-e	X16	X16	12	0	Full length, full height slot	

* Default bus assignment (in decimal). Inserting cards with PCI bridges may alter the actual bus assignment number.

** Slots are enumerated differently based on OS. MS OS's enumerate from lowest to highest Device ID by bus (starting with the lowest bus).

*** Indicates the number of physical electrical lanes running to a PCI-e connector.

NOTE: PCI-X Interface (PCI 32bit/33MHz compatible)

Storage Controller

Integrated 4 port SATA controller with embedded RAID (0, 1, 5)

NOTE: Embedded RAID setup instructions are located in the User Guide. CTO RAID set-up is not available.

HP ProLiant ML100 Series Server User Guide:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00260539/c00260539.pdf>

Storage

Optical Drive

HP Half-Height SATA DVD-ROM Optical Drive ships standard

Hard Drives

1x160 GB NHP SATA 7200 rpm Drive

Maximum Internal Storage

Non-Hot Plug SAS

1.8TB

(4 x 450GB) 3.5" SAS

Non-Hot Plug SATA

8.0TB

(4 x 2TB) 3.5" SATA

Interfaces

Parallel

0

Serial

1

Pointing Device (Mouse, PS2)

1

Graphics

1

Keyboard (PS2)

1

USB 2.0 Ports

8 total (4 rear, 2 front panel, 2 internal (one for USB Tape connectivity))

NOTE: 1 Dedicated USB port available for internal USB tape connectivity.