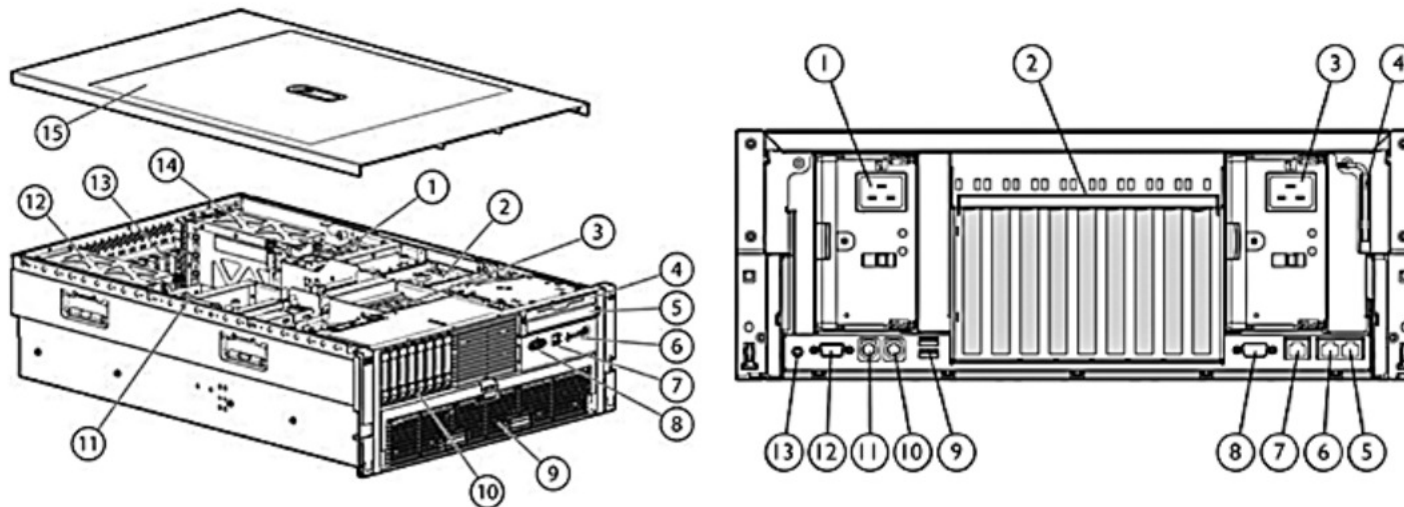


# QuickSpecs

## HP ProLiant DL585 Generation 5 (G5)

### Overview

The HP ProLiant DL585 G5 is a highly manageable, rack optimized, four-socket server designed for maximum performance in an industry standard architecture. With up to four (4) Quad-Core AMD Opteron™ processors and a large memory footprint, the DL585 G5 delivers the performance and performance-per-watt needed for compute-hungry database, virtualization, and consolidation applications. Its industry leading remote management functions help reduce costs and improve the ability to respond quickly to business changes.



#### Front View:

1. Hot Plug Redundant Fans (standard)
2. System Insight Display
3. Hot Plug Redundant Fans (standard)
4. 1.44 MB Diskette Drive bay
5. DVD/CD-RW drive (standard)
6. Front Panel LED Display (internal and external health, Unit ID light) and Power Button
7. Two USB ports
8. One video port
9. Front accessible processor / memory cage
10. Eight bay Small Form Factor (SFF) Serial Attached SCSI (SAS) drive cage
11. Keyboard connector
12. Video connector
13. Mouse connector
14. Front panel LED display
15. Front panel power button

#### Rear View:

1. Redundant hot-plug power supply (optional)
2. PCI Express and PCI-X non-hot-plug expansion slots
3. Hot-plug power supply (primary)
4. T-15 Torx screwdriver
5. NIC connector 2
6. NIC connector 1
7. Integrated Lights-Out 2 (iLO 2) connector
8. Serial connector
9. USB connectors (two)
10. Mouse connector
11. Keyboard connector
12. Video connector
13. Front panel LED display
14. Front panel power button
15. Front panel power button

### Standard Features

NOTE: For the Standard Features shipped in the "Factory Integrated Models", please see the "Configuration Information - Factory Integrated Models" section.

#### Processor

Two or four of the following depending on model

#### Quad-Core Processors

AMD Opteron™ 8393 SE Quad-Core Processor (3.1 GHz, 105 W ACP)  
AMD Opteron™ 8389 Quad-Core Processor (2.9 GHz, 75 W ACP)  
AMD Opteron™ 8387 Quad-Core Processor (2.8 GHz, 75 W ACP)  
AMD Opteron™ 8381 HE Quad-Core Processor (2.5 GHz, 55 W ACP)  
AMD Opteron™ 8386 SE Quad-Core Processor (2.8 GHz, 105 W ACP)  
AMD Opteron™ 8384 Quad-Core Processor (2.7 GHz, 75 W ACP)  
AMD Opteron™ 8382 Quad-Core Processor (2.6 GHz, 75 W ACP)  
AMD Opteron™ 8380 Quad-Core Processor (2.5 GHz, 75 W ACP)  
AMD Opteron™ 8378 Quad-Core Processor (2.4 GHz, 75 W ACP)  
AMD Opteron™ 8376 HE Quad-Core Processor (2.3 GHz, 55 W ACP)  
AMD Opteron™ 8360 SE Quad-Core Processor (2.5 GHz, 105 W ACP)  
AMD Opteron™ 8358 SE Quad-Core Processor (2.4 GHz, 105 W ACP)  
AMD Opteron™ 8356 Quad-Core Processor (2.3 GHz, 75 W ACP)  
AMD Opteron™ 8354 Quad-Core Processor (2.2 GHz, 75 W ACP)  
AMD Opteron™ 8347 HE Quad-Core Processor (1.9 GHz, 55 W ACP)

NOTE: Support for 2 or 4 processors

NOTE: AMD Opteron™ 8300 Series Processors are 64-bit, Quad-Core, and support AMD Virtualization™, and up to 3.1 GHz clock speed.

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

#### Cache Memory

One of the following depending on model

512KB integrated level 2 cache per core  
2MB shared level 3 cache per processor  
NOTE: Depends on model.  
6MB shared level 3 cache per processor  
NOTE: Depends on model.

#### Chipset

nVidia NForce Professional 2200 and 2050 chipsets, and AMD-8132 chipset

#### Upgradeability

Upgradeable to quad (4) processors

# QuickSpecs

HP ProLiant DL585 Generation 5 (G5)

## Standard Features

Memory	Type	PC2-5300 Registered DIMMs at 667 MHz
	One of the following depending on model	PC2-6400 Registered DIMMs at 800 MHz
	Standard	4GB (4 x 1 GB)
	One of the following depending on Model	8GB (8 x 1 GB) 16GB (8 x 2GB)
	Maximum	256GB (32 x 8GB)
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Network Controller	Two embedded NC371i Multifunction Gigabit Network Adapters with TCP/IP Offload Engine, including support for Accelerated iSCSI through an optional Licensing Kit	
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## Expansion Slots

NOTE: 9 total slots: (3) x8 PCI-Express; (4) x4 PCI-Express; (2) PCI-X (100MHz). One slot populated with the Smart Array P400 Controller.

Expansion Slots #	Technology	Bus Width***	Connector Width	Bus Number*	Device No.**	Form Factor	Notes
1	PCI-X (100MHz, 3.3 Volt)	64-bit	N/A	66	1	Half length, full height	
2	PCI-X (100MHz, 3.3 Volt)	64-bit	N/A	66	2	Full length, full height slot	
3	PCI Express	x4	x8	73	0	Full length, full height slot	100MHz
4	PCI Express	x4	x8	76	0	Full length, full height slot	100MHz
5	PCI Express	x8	x16	70	0	Full length, full height slot	100MHz
6	PCI Express	x4	x8	79	0	Full length, full height slot	100MHz
7	PCI Express	x8	x16	2	0	Full length, full height slot	100MHz

Standard Features

\* 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.

Storage Controllers One of the following depending on Model	2.2GHz Models:	HP Smart Array P400/256 MB Controller (in PCI-Express slot 9)
	All other Models:	HP Smart Array P400/512 MB Controller with BBWC (in PCI-Express slot 9)
	The Battery-Backed Write Cache (BBWC) Enabler for the Smart Array P400 Controller protects up to 512MB write cache memory from hard boot, power, controller, or system board failures.	
	<ul style="list-style-type: none"><li>● Standard on most Models</li><li>● Battery charge/life: Up to 72 hours/3 years</li><li>● Transportable data protection</li><li>● Increases overall controller performance</li></ul>	
NOTE: Safely transport your write cache data to another HP ProLiant DL585 G5 in the data center by removing the BBWC and Smart Array P400 Controller Memory Module simultaneously.		

Internal Storage Devices	Diskette Drive	1.44MB Diskette Drive bay available	
	Optical Drive	Slimline DVD/CD-RW Drive Standard on some models - ejectable for security and serviceability	
	Hard Drives	None ship standard	
	Hard Disk Drive Backplane	Internal SAS backplane supports up to eight SFF hard disk drives	

Maximum Internal Storage	Hot Plug SFF SAS	4.0TB	8 x 500GB
	Hot Plug SFF SATA	4.0TB	8 x 500GB

Interfaces	Serial	1	
	Video	1 front, 1 rear	
	Network RJ-45	2	
	iLO 2 Remote Management	1	
	Keyboard	1	