Product features

Feature	Specification
Processor	- Intel Xeon Processor MP at 3.00 GHz \ 4 MB cache - Intel Xeon Processor MP at 2.80 GHz \ 2 MB cache - Intel Xeon Processor MP at 2.70 GHz \ 2 MB cache - Intel Xeon Processor MP at 2.50 GHz \ 2 MB cache - Intel Xeon Processor MP at 2.20 GHz \ 2 MB cache - Intel Xeon Processor MP at 2.00 GHz \ 2 MB cache - Intel Xeon Processor MP at 2.00 GHz \ 1 MB cache - Intel Xeon Processor MP at 1.90 GHz \ 1 MB cache - Intel Xeon Processor MP at 1.60 GHz \ 1 MB cache - Intel Xeon Processor MP at 1.50 GHz \ 1 MB cache - Intel Xeon Processor MP at 1.40 GHz \ 512 KB cache
Cache Memory	Depending on processor model, the following processor cache memory is available. 2-MB Integrated level 3 cache 1-MB Integrated level 3 cache 512-KB Integrated level 3 cache
Upgradability	Upgradable to quad processing

Memory
Click here for memory ordering information .

2P Models		
	Standard	2048 MB 200-MHz Double Data Rate (DDR) SDRAM (PC1600 Registered SDRAM Memory with Advanced ECC 1 functionality)
	Maximum	32 GB 2
1P Models		
	Standard	1024 MB 200-MHz Double Data Rate (DDR) SDRAM (PC1600-MHz Registered SDRAM Memory with Advanced ECC 1 functionality)
	Maximum	32 GB 2

Feature	Specification
Network Controller	Integrated NC7170 dual port PCI-X Gigabit Server Adapter in a slot (3.0 GHz, 2.7 GHz, 2.2 GHz models only) Integrated NC7770 PCI-X Gigabit Server Adapter in a slot
Expansion Slots	6 - Total PCI I/O slots consisting of: 4 - 64-bit/100-MHz PCI-X Hot Plug, slots 3, 4, 5 and 6 available. 2 - 64-bit/100-MHz PCI-X Non-Hot Plug, slot 1 available, (NIC in slot 2) - All slots support 3.3 Volt or Universal (3.3/5.0V) cards only Base system ships with 5 slots available
Storage Controllers	Smart Array 5i Plus Controller 3 , Dual Channel, Ultra3 (supports RAID 0, 1, 1+0, and 5 across internal hard disk drives) with 64 MB of memory. 64-MB total memory for code, transfer buffers, and read/write cache on the 5i Plus Memory Module - Connector for Battery Backed Write Cache (BBWC) Enabler
Storage Data Protection	The Battery-Backed Write Cache (BBWC) Enabler protects up to 64-MB write cache memory from hard boot, power, controller, or system board failures. 4 - Standard on DL580 G2 2P Models, optional on DL580 G2 1P Models - Battery charge/life: Up to 72 hours/ 3 years - Transportable data protection - Increases overall controller performance

Storage
Click here for hard drive ordering information .

Diskette Drive (Multibay)	1.44 MB (slim line) – ejectable for security and serviceability
CD-ROM (Multibay)	24x IDE CD-ROM Drive (slim line) – ejectable for security and serviceability
Hard Drives	None
Maximum Internal Storage	291.2 GB (4 x 72.8 GB Wide Ultra3 1 drives) (internal hot plug Ultra3/Ultra4- ready drive cage)
Hard Disk Drive Backplane	Internal Wide Ultra3/Ultra4-ready backplane supports up to four 1 hard disk drives and is easily configurable to support simplex (4x1) or duplex mode (2x2) Standard shipping configuration is the duplex mode.

Feature	Specification
Interfaces	- Serial 1 - Pointing Device (Mouse) 1 - Graphics 1 - Keyboard 1 - Rear USB Ports 2 - iLO Remote Management 1 - Network RJ-45 1
Video Controller	Integrated ATI RagePro XL on 32-bit PCI local bus with 8-MB of SDRAM video memory Supported graphic resolutions: 1600 x 1200 dpi at 64k, 256, and 16 colors 1280 x 1024 dpi at 16.7M, 64k, 256, and 16 colors 1024 x 768 dpi at 16.7M, 64k, 256, and 16 colors 800 x 600 dpi at 16.7M, 64k, 256, and 16 colors 640 x480 dpi at 16.7M, 64k, 256, and 16 colors
Form Factor	Rack (4U = 7 inches), ships with sliding rails and cable management system Space saving form factor (4U) provides space efficiencies while providing maximum deployment flexibility
Click here for ProLiant Essentials Foundation Pack Software	Setup, management, and support tools that can be used to simplify the deployment and operation of ProLiant servers.
Industry Standard Compliance	- ACPI 2.0 Compliant - PCI 2.2 Compliant - USB 1.0 Compliant - PXE Support - WOL Support - Physical Address Extension (PAE) Support - Microsoft ® Logo certification
Intelligent Manageability	Built-in Integrated Lights-Out Standard combines secure, basic management functions and diagnostics with essential virtual presence and control to manage ProLiant systems across the data center or across the world. Easily upgradeable to iLO Advanced for more robust, hardware-based remote administration to maximize availability and graphical control over your ProLiant DL580 G2.
Security	- Power-on password - Keyboard password - Diskette drive control - Diskette boot control - Network Server Mode - Security Provision - Serial interface control - Administrator's password - Disk configuration lock - Hot plug access security - Removable Diskette drive - Removable CD-ROM drive
Power Supply	800-Watt (low line or high line) Hot Plug Power Supply - One 800-Watt Hot Plug Power Supply ships standard with 1P Models (optional Redundant Hot Plug Power Supply Option Kit). - Two 800-Watt Hot Plug Power Supplies ship standard with 2P Models
OS Support	- Microsoft Windows NT Server - Microsoft Windows 2000 - Novell NetWare - LINUX (RedHat, SuSE) 5
Service and Support	Compaq Services provides a wide range of service offerings, including a three-year, limited warranty that is fully supported by a worldwide network of resellers and service providers, lifetime, toll-free 7 x 24 hardware technical phone support and Pre-Failure Warranty coverage of hard drives, memory and processors. Disaster recovery services are available through partnership with Comdisco. 6

Note 1: Advanced ECC Memory Technology protects the data even in the event of an entire SDRAM component failure. Embedded in the chipset design, this feature allows the use of Industry-Standard Registered DIMMs.
Note 2: 32 GB achieved with use of 2nd, optional memory board and 2GB Registered DIMM sticks.
Note 3: The Smart Array 5i Plus Controller is integrated on the system board and is designed to support the duplex/simplex drive cage. An external SCSI port is not available on the DL580 G2. External SCSI solutions require the addition of a PCI or PCI-X option card.
Note 4: Safely transport your write cache data to another DL580 G2 in the data center be removing the BBWC Enabler and 5i Plus Memory Module simultaneously (connected by short cable).
Note 5: For a more complete and up-to-date listing of supported OSs and versions, please visit our OS Support Matrix:

ftp://ftp.compaq.com/pub/products/servers/os-support-matrix-310.pdf (44kb)
Note 6: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.