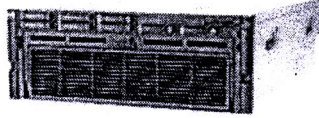


## HP ProLiant DL580 G7 Server



### Processor and memory

<b>Chipset</b>	Industry-standard Intel® 7500 Chipset
<b>Processor type</b>	Intel® Xeon® Processor E7 series supporting up to 40 cores and 80 threads (10 cores and 20 threads per CPU), and Intel® Xeon® Processor 7500 series
<b>Number of processors</b>	2 or 4
<b>Available processors</b>	<p><b>10-core processors</b>                      Intel® Xeon® Processor E7-4870 (2.40 GHz/10 core/30 MB/130 W)                      Intel® Xeon® Processor E7-4860 (2.26 GHz/10 core/24 MB/130 W)                      Intel® Xeon® Processor E7-4850 (2.00 GHz/10 core/24 MB/130 W)                      Intel® Xeon® Processor E7-8867L (2.13 GHz/10 core/30 MB/105 W); low voltage.</p> <p><b>Eight-core processors</b>                      Intel® Xeon® Processor E7-8837 (2.67 GHz/8 core/24 MB/130 W); no HT                      Intel® Xeon® Processor E7-4830 (2.13 GHz/8 core/24 MB/105 W)                      Intel® Xeon® Processor E7-4820 (2.00 GHz/8 core/18 MB/105 W)                      Intel® Xeon® Processor X7560 (2.26 GHz, 24 MB cache, 130 W)                      Intel® Xeon® Processor X7550 (2.00 GHz, 18 MB cache, 130 W)                      Intel® Xeon® Processor L7555 (1.86 GHz, 24 MB cache, 95 W); low voltage</p> <p><b>Six-core processors</b>                      Intel® Xeon® Processor E7-4807 (1.86 GHz/6 core/18 MB/95 W); no HT                      Intel® Xeon® Processor E7540 (2.00 GHz, 18 MB cache, 105 W)                      Intel® Xeon® Processor E7530 (1.86 GHz, 12 MB cache, 105 W)                      Intel® Xeon® Processor X7542 (2.66 GHz, 18 MB cache, 130 W); no HT</p> <p><b>Quad-core processors</b>                      Intel® Xeon® Processor E7520 (1.86 GHz, 18 MB cache, 95 W)</p> <p><b>Note:</b> New Intel Microarchitecture with Intel Virtualization Technology FlexMigration and industry-standard Intel® 7500 chipset with four high-speed interconnects delivering up to 6.4 GT/s</p>
<b>Processor core</b>	10, 8, 6, or 4 core
<b>Cache memory</b>	Up to 30 MB shared L3 cache
<b>Maximum processor speed</b>	2.26 GHz (10 cores)
<b>Memory type</b>	PC3-10600E DDR3
<b>Maximum memory</b>	2 TB (support for 32 GB DDR3 and low-voltage DIMMs)
<b>Memory slots</b>	64 DIMM slots
<b>Advanced RAS</b>	Advanced ECC; Double Device Data Correction, DDDC (Ready); online spare; mirrored memory; memory lockstep mode; DIMM isolation; HP Memory Quarantine (requires OS support)
<b>Drives supported</b>	Up to eight hot plug small form-factor SAS/SATA/SSD
<b>Expansion slot</b>	<p><b>Base</b>                      2 PCI-E 2.0 x8, 3 PCI-E 2.0 x4</p> <p><b>Optional mezzanines</b>                      2 PCI-E 2.0 x16, 1 PCI-E 2.0 x4, 2 PCI-X                      4 PCI-E 2.0 x8, 1 PCI-E 2.0 x4, 1 PCI-E 1.1 x4                      Up to 11 slots supported; all full length/full height</p>
<b>Network controller</b>	NC375i Quad Port 1 GbE Multifunction NIC; optional dual-port 10 GbE upgrade
<b>Storage controller</b>	HP Smart Array P410i Controller/1 GB FBWC HP Smart Array P410i Controller/512 MB FBWC

### Deployment

<b>Form factor</b>	Rack
<b>Rack height</b>	4U
<b>Remote management</b>	HP Integrated Lights-Out 3
<b>Power supply type</b>	Common-slot Platinum and Silver hot-plug redundant power supply
<b>System fan features</b>	4 hot-plug with N+1 redundancy
<b>Warranty—years(s) (parts/labor/onsite)</b>	3/3/3