HPE ProLiant DL180 G6 Server - Overview

Product description

Product features

Software overview

Link to product specification

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Link to drivers, firmware, software and manuals

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Product description

	**The DL180 G6 is a low cost, high capacity storage optimized server, that delivers on a history of design excellence and 2U density for a variety of rack deployments and applications.**

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Product features

Feature	Description
Processor[1] (One of the following depending on Model)	**Six-Core Processors** • Intel Xeon Processor X5675 (3.06 GHz, 12MB L3 Cache, 95 W, DDR3-1333, HT, Turbo 2/2/2/2/3/3) FIO • Intel Xeon Processor X5670 (2.93 GHz, 12MB L3 Cache, 95 W, DDR3-1333, HT, Turbo 2/2/2/2/3/3) FIO • Intel Xeon Processor X5660 (2.80 GHz, 12MB L3 Cache, 95 W, DDR3-1333, HT, Turbo 2/2/2/2/3/3) FIO • Intel Xeon Processor X5650 (2.66 GHz, 12MB L3 Cache, 95 W, DDR3-1333, HT, Turbo 2/2/2/2/3/3) FIO • Intel Xeon Processor E5649 (2.53 GHz, 12MB L3 Cache, 80 W, DDR3-1333, HT, Turbo 1/1/1/1/2/2) FIO • Intel Xeon Processor E5645 (2.4 GHz, 12MB L3 Cache, 80 W, DDR3-1333, HT, Turbo 1/1/1/1/2/2) FIO • Intel Xeon Processor L5640 (2.26GHz, 12MB L3 Cache, 60 W, DDR3-1333, HT, Turbo 2/2/3/3/4/4) FIO **Quad-Core Processors** • Intel Xeon Processor X5672 (3.2 GHz, 12MB L3 Cache, 95 W, DDR3-1333, HT, Turbo NA/NA/2/2/3/3) FIO

Feature	Description
	• Intel Xeon Processor E5640 (2.66 GHz, 12MB L3 Cache, 80 W, DDR3-1066, HT, Turbo 1/1/2/2) FIO • Intel Xeon Processor E5630 (2.53 GHz, 12MB L3 Cache, 80 W, DDR3-1066, HT, Turbo 1/1/2/2) FIO • Intel Xeon Processor E5620 (2.40 GHz, 12MB L3 Cache, 80 W, DDR3-1066, HT, Turbo 1/1/2/2) FIO • Intel Xeon Processor E5606 (2.13 GHz, 8MB L3 Cache, 80 W, DDR3-1066) FIO • Intel Xeon Processor E5603 (1.6 GHz, 8MB L3 Cache, 80 W, DDR3-1066) FIO • Intel Xeon Processor E5506 (2.13 GHz, 4MB L3 Cache, 80 W, DDR3-800), FIO • Intel Xeon Processor L5630 (2.13 GHz, 12M L3 Cache, 40 W, DDR3-1066, HT, Turbo 1/1/2/2/) FIO • Intel Xeon Processor E5540 (2.53 GHz, 8MB L3 Cache, 80 W, DDR3-1066, HT, Turbo 1/1/2/2) • Intel Xeon Processor E5520 (2.26 GHz, 8MB L3 Cache, 80 W, DDR3-1066, HT, Turbo 1/1/2/2) • Intel Xeon Processor E5506 (2.13 GHz, 4MB L3 Cache, 80 W, DDR3-800) • Intel Xeon Processor L5630 (2.13 GHz, 12ML L3 Cache, 40 W, DDR3-1066, HT, Turbo 1/1/2/2/) FIO • Intel Xeon Processor L5520 (2.26 GHz, 8MB L3 Cache, 60 W, DDR3-1066, HT, Turbo 1/1/2/2) • Intel Xeon Processor E5504 (2.00 GHz, 4MB L3 Cache, 80 W, DDR3-800) Two-Core Processors • Intel Xeon Processor E5503 (2.00 GHz, 4MB L3 Cache, 80 W, DDR3-800) FIO
Upgradeability	Upgradeable to two processors
Chipset	Intel 5520 Chipset
Cache memory	• 12MB Level 3 cache (L5630,E5620,X5650) • 4MB Level 3 cache (E5506)
Memory protection	Advanced memory protection
Memory[2]	• **Type**: DDR3 Registered (RDIMM) or Unbuffered (UDIMM) • **Standard**

<table>
<tr><th>Feature</th><th>Description</th></tr>
<tr><td></td><td>

4GB (1 x 4GB)
8GB (2 x 4GB)
16GB (4 x 4GB)

Maximum (RDIMM) - 192GB (12 x 16GB)
Maximum (UDIMM) - 48GB (12 x 4GB)

</td></tr>
<tr><td>Network controller</td><td>HPE NC362i Integrated Dual Port Gigabit Server Adapter</td></tr>
<tr><td>Maximum internal storage</td><td>One of the following depending on Model:
<table>
<tr><td>Hot Plug 3.5" SATA</td><td>42.0TB (14 x 3TB)</td></tr>
<tr><td>Hot Plug 3.5" SAS</td><td>42.0TB (14 x 3TB)</td></tr>
<tr><td>Hot Plug 2.5" SATA</td><td>25.0TB (25 x 1.0TB)</td></tr>
<tr><td>Hot Plug 2.5" SATA SSD</td><td>10.0TB (25 x 400GB)</td></tr>
<tr><td>Hot Plug 3.5" SATA SSD</td><td>5.6TB (14 x 400GB)</td></tr>
<tr><td>Hot Plug 2.5" SAS</td><td>25.0TB (25 x 1.0TB)</td></tr>
<tr><td>Hot Plug 2.5" SAS SSD</td><td>20.0TB (25 x 800GB)</td></tr>
</table>
</td></tr>
<tr><td>Graphics</td><td>32MB shared supporting all display resolutions up to 1600x1200 16bpp@75 Hz</td></tr>
<tr><td>Interfaces</td><td>

Network RJ-45 (Ethernet) - 2 10/100/1000 NIC ports (plus 1 dedicated for the HP ProLiant Lights Out 100i Remote Management)
Serial - 1
Graphics - 1
USB - 5 total ports: (2) front, (2) rear, (1) optional internal

</td></tr>
<tr><td>Form factor</td><td>Rack (2U), (3.5 inches/8.89 cm)</td></tr>
<tr><td>System fans</td><td>4 system fans ship standard; Non-hot plug, Non-redundant</td></tr>
</table>

NOTE: **1:** Available through Configure To Order only. See Factory Integration Models section for more details.

HT indicates that the processor model supports Intel Hyper-Threading Technology.

Turbo indicates the maximum potential frequency increment when using Intel Turbo Boost Technology, with 4, 3, 2, and 1 cores active.

DDR3 speed is the maximum memory speed of the processor. Actual memory speed may depend on the quantity and type of DIMMs installed.

For the Intel 5000 Series, the letter preceding the model number indicates the performance/wattage of the processor. "X" denotes High Performance/Wattage; "E" denotes Enterprise Performance/Wattage (Mainstream); and "L" denotes Lower Wattage.

Feature	Description
2: Depending on the memory configuration and processor model, the memory speed may run at 1333 MHz, 1066 MHz, or 800 MHz. Click here to see the Online Memory Configuration tool .	

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Software overview

Feature	Description
Supported Operating Systems	• Microsoft Windows Server • Microsoft Windows Server Hyper-V • Red Hat Enterprise Linux (RHEL) • SUSE Linux Enterprise Server (SLES) • VMware ESX Server • Citrix Essentials for XenServer (Retail)
NOTE: Click here to visit Support Matrix, for more information on HPE's Certified and Supported ProLiant Servers for OS and Virtualization Software and latest listing of software drivers available for the server .	

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Link to product specification

Click here to view the specifications page for the HPE ProLiant DL180 G6 Server .

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Link to warranty information

Click here to check the warranty status .

Click here for detailed information regarding worldwide limited warranty and technical support .

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Link to drivers, firmware, software and manuals

Click here to access the drivers, firmware, software and user manuals information

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Link to product related documents

Click here to view the list of product related documents .

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