

Specifications

HPE ProLiant DL380 Gen10 (G10) Server - Specifications

PROCESSOR - 2 SOCKETS

Intel® Xeon® Platinum Processors
Intel® Xeon® Gold Processors
Intel® Xeon® Silver Processors
Intel® Xeon® Bronze Processors

OPERATING SYSTEMS AND VIRTUALIZATION SOFTWARE SUPPORT

- Windows Server 2012 R2 (Most Recent Version)
- Windows Server 2016 (Most Recent Version)
- VMware ESXi 6.0 U3
- VMware ESXi 6.5 and U1 upon release
- Red Hat Enterprise Linux (RHEL) 6.9 and 7.3
- SUSE Linux Enterprise Server (SLES) 11 SP4 and 12 SP2
- ClearOS
- CentOS

CHIPSET

Intel C621 Chipset

ON SYSTEM MANAGEMENT CHIPSET

HPE iLO 5 ASIC

MEMORY

Type:

- Registered (RDIMM), Load Reduced (LRDIMM)

DIMM Slots Available:

- 12 DIMM slots per processor, 6 channels per processor, 2 DIMMs per channel

Maximum capacity (LRDIMM):

- 1.5 TB: 24 x 64 GB LRDIMM @ 2600 MHz

Maximum capacity (RDIMM):

- 768 GB: 24 x 32 GB RDIMM @ 2600 MHz

EXPANSION SLOTS

Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
1	PCIe 3.0	X8	X8	Full-height, Half-length slot	CPU 1
2	PCIe 3.0	X16	X16	Full-height, Full-length slot	CPU 1
3	PCIe 3.0	X8	X8	Full-height, Half-length slot	CPU 1
1	PCIe 3.0	X8	X8	Full-height, Half-length slot	CPU 2
2	PCIe 3.0	X16	X16	Full-height, Full-length slot	CPU 2
3	PCIe 3.0	X8	X8	Full-height, Half-length slot	CPU 2

STORAGE CONTROLLERS

Software RAID

- HPE Smart Array S100i SR Gen10 SW RAID

Essential RAID Controller

- HPE Smart Array E208i-a SR Gen10 Controller
- HPE Smart Array E208i-p SR Gen10 Controller
- HPE Smart Array E208e-p SR Gen10 Controller

Performance RAID Controller

- HPE Smart Array P408i-a SR Gen10 Controller
- HPE Smart Array P408i-p SR Gen10 Controller
- HPE Smart Array P408e-p SR Gen10 Controller
- HPE Smart Array P816i-a SR Gen10 Controller

INTERNAL STORAGE DEVICES

Optical Drive

- Ships standard in Performance Models. Optional: DVD-ROM, DVD-RW

Hard Drives

- None ship standard

MAXIMUM INTERNAL STORAGE

Hot Plug SFF SAS	72.0 TB	24+6 x 2.4 TB (with optional rear SFF drive cage)
Hot Plug SFF SATA	52.0 TB	24+2 x 2 TB (with optional SFF drive cage)
Hot Plug LFF SAS	197.68 TB	12+4+3 x 10 TB + 2 x 3.84 TB (with optional mid –tray and rear LFF drive cage, plus 2 SFF SSD rear)
Hot Plug LFF SATA	197.68 TB	12+4+3 x 10 TB + 2 x 3.84 TB (with optional mid –tray and rear LFF drive cage, plus 2 SFF SSD rear)
Hot Plug SFF SAS SSD	115.2 TB	24+6 x 3.84 TB (with optional rear SFF drive cage)
Hot Plug LFF SATA SSD	44.16 TB	12+4+3 x 1.92 TB + 2 x 3.84 TB (with optional mid –tray and rear LFF drive cage, plus 2 SFF SSD rear)
Hot Plug SFF NVMe PCIe SSD	40 TB NVMe	20 x2 TB NVMe

POWER

- HPE 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
- HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
- HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit

SYSTEM FANS

Standard – fan types included

INTERFACES

Serial:

- Optional, rear

Display Port:

- 1 (SFF 1 front, optional via Universal Media Bay, 826708-B21), 8 LFF chassis standard

FlexibleLOM Network Ports:

- 4 x 1 Gb ports shipping standard with optional FlexibleLOM or stand up card

HPE iLO Remote Management Network Port:

- 1 Gb Dedicated

Front iLO Service Port:

- 1 standard (Not available on 12 LFF chassis or when SID is ordered)

Micro SD Slot:

- 1 Micro SD

USB 3.0:

- Up to 5 total: 1 front, 2 rear, 2 internal (secure), 2 optional USB 2.0 front via Universal Media Bay, or standard on 8LFF chassis

SID (Systems Insight Display):

- Optional

GRAPHICS

Integrated Video Standard

HPE iLO 5 on system management memory

CHASSIS

2U Rack

Chassis Types:

- 8 SFF with optional Universal Media Bay, and optional SFF or NVMe options
- 24 SFF bay with 6SFF rear drive bay options with 30 SFF drive bays total
- 8 LFF with Universal Media Bay
- 12 LFF plus optional 4 LFF mid-plane or 3LFF + 2 SFF drives rear with 19 LFF drive bays total

EMBEDDED MANAGEMENT

- HPE Integrated Lights-Out (HPE iLO)
- UEFI
- Intelligent Provisioning
- iLO RESTful API

SECURITY

- UEFI Secure Boot and Secure Start support
- Immutable Silicon Root of Trust
- FIPS 140-2 validation (iLO 5 certification in progress)
- Common Criteria certification (iLO 5 certification in progress)
- Configurable for PCI DSS compliance
- Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser
- Support for Commercial National Security Algorithms (CNSA)
- Tamper-free updates – components digitally signed and verified
- Secure Recovery – recover critical firmware to known good state on detection of compromised firmware
- Ability to rollback firmware
- Secure erase of NAND/User data
- TPM (Trusted Platform Module) 1.2 option
- TPM (Trusted Platform Module) 2.0 option
- Bezel Locking Kit option
- Chassis Intrusion detection option