

Overview

HPE ProLiant Cloud Managed Servers with Zynstra Software

HPE ProLiant Cloud Managed Servers with Zynstra software deliver worry-free, enterprise-grade hybrid IT as a service, enabling customers to choose the right blend of local and cloud IT to scale with their organization, with less up-front cost and predictable monthly pricing. The Cloud Managed Server offers a fully managed central platform that runs the entire IT real estate no matter where the applications and data reside, on-premises or in the cloud. the Hewlett Packard Enterprise customers choose where the data is located, who accesses what, where and how and the rest is managed by Hewlett Packard Enterprise

How it Works

The HPE Cloud Managed Server has integrated hardware, virtualization, software and cloud services to create a solution that just works and meets the needs of SMBs, branch offices, education, retail and many more industries.

The offering empowers IT users to experience secure, reliable access to their Windows, Linux and SaaS applications thanks to the HPE unique Cloud Management Platform **and Keep Current** service.

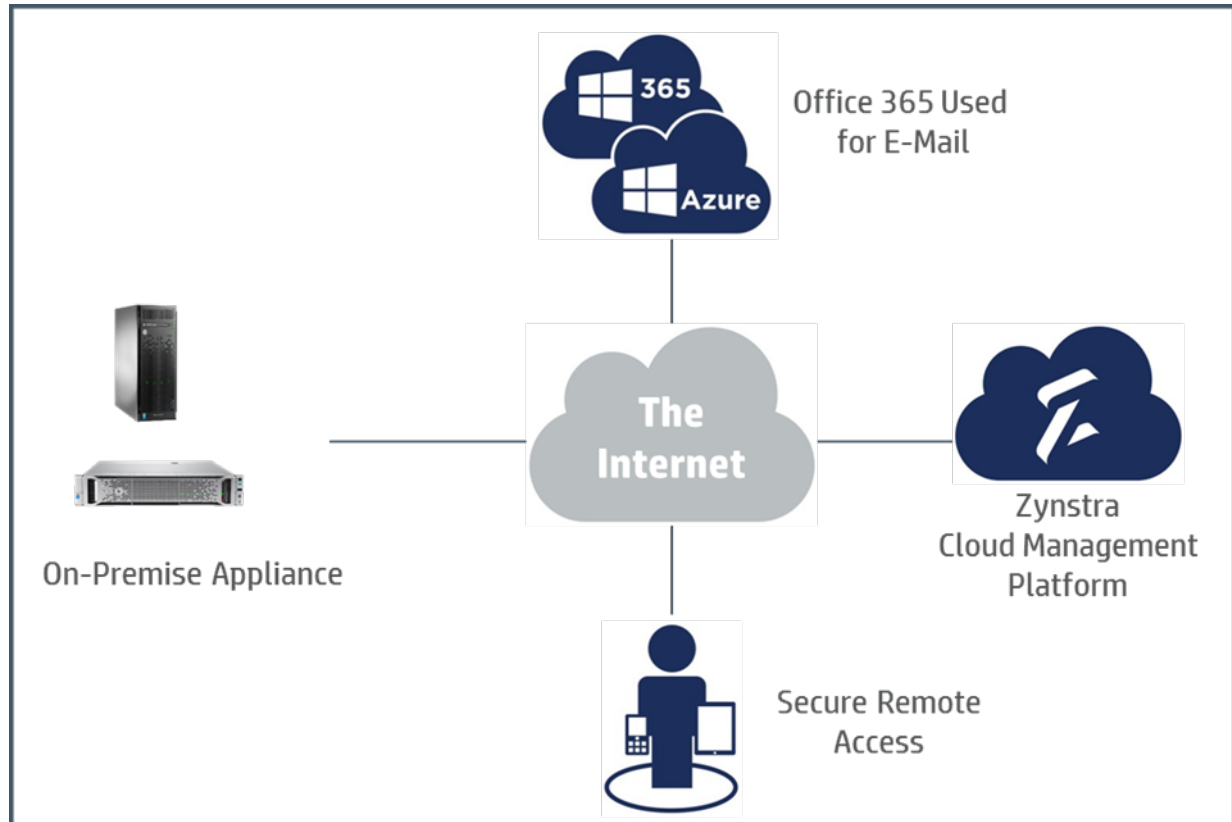
But it is the Hewlett Packard Enterprise solution that makes it all possible – carefully selected Servers appliance with cloud management and virtualization technology from Zynstra, combined with rigorously tested network, security and cloud integration.

The solution is fast to deploy, easy to provision, centrally managed, always up to date and always consistent. All this is made possible because our services are backed by a dedicated engineering team, and a DevOps environment that enables rapid feature development.

Being delivered as a service allows for a predictable subscription price, the Hewlett Packard Enterprise solution is cost-effective for even the smallest business, branch or school.

Overview

Solution Overview



Who is it for?

Small and Medium Sized Businesses

Designed for organizations with 5 to 250 IT workers per office, the solution supports a complete range of Hybrid IT scenarios, delivering core IT functions out of the box, and securing any data and applications behind your firewall.

Education

Designed for schools, the HPE Cloud Managed Server supports a complete range of IT for small and large schools of up to 1200 students per campus. Resources for hosting local management and learning environments combined with integration to common cloud applications, backup and disaster recovery are all provided. And, of course, all are 'cloud-managed' by trusted local IT partners.

Enterprise Branch

For multi-site, remote offices and branch IT, the Cloud Managed Server is delivered as a fully managed on-site server, preconfigured and ready to go in a matter of minutes. Local VLANs, file storage, printer sharing and private cloud VMs offer enterprise class IT for even the smallest branch office or retail site, all managed remotely.

Overview

Benefits at a Glance

The Hewlett Packard Enterprise appliances comprises of a unique combination of hardware validation, software and services that offer a range of benefits not offered from off-the-shelf servers or proprietary enterprise solutions.

Excellent service level commitments. Remotely monitored by experts dedicated to helping you, including next business day hardware fix if required.

Enhanced security. User access privileges, data protection, next generation firewall and web filtering.

Reliable. A backed-up, resilient appliance with next business day repair services and the option of high-availability and cloud back-up services.

Quick to deploy. Fast set-up of new branches with pre-staged, self-configuring appliances.

Maintenance free IT. No manual patching or backup management required. A self-healing solution with break fix service included, reducing your server administration effort by 90%.

Keep current IT. Patched, updated and upgraded. No more unplanned big IT refresh projects.

Low cost of ownership. Realize up to 60% lower total cost of ownership compared to traditional on-premises server, software and network solutions.

Pay per month. Comprehensive support and monthly payments mean predictable IT costs.

Standard Features

Key Features

Cloud Managed Server. Based on HPE ProLiant Servers with Zynstra software and Intel E3 and E5 processors. Everything a branch requires for network, file sharing and security. Consistent, reliable, always up-to-date hardware and software.

Enterprise MPLS Network Support. Ready to be deployed on your enterprise MPLS network. With the option to employ virtual-router NFV technology.

Secure Multi-Site Over Public Internet. Sophisticated next-generation firewall, web filter, and IPsec support to securely connect multiple branches via the Internet and HQ or datacentre.

Cloud Management Platform. Remote monitoring, management, and our unique Keep Current service for one site or hundreds of sites.

Cloud Backup and Disaster Recovery. Pre-integrated with popular cloud storage services for off-site backup, with a choice of data retention policies, and disaster recovery.

Secure Seamless Web App Access. Option of both local and in-cloud Active Directory, for single sign-on to a range of SaaS applications such as Office 365.

Base Product

Cloud Managed	Worry-free IT- Configured, monitored and managed by Hewlett Packard Enterprise and your IT partner Monitoring Console- optional access for IT teams or your IT partner for detailed multi-site monitoring from a single interface Local Dashboard- User Control Console provides easy to understand per-appliance service status monitoring
Keep Current Service	Keep Current. IT and curated apps are patched and updated by the Hewlett Packard Enterprise automated processes Keep Secure. Secure, monitored and automatically able to identify both internal and external security threats Keep Integrated. Pre-integrated and updated to make use of optional cloud back-up and SSO to Office 365 cloud apps Keep Running. Self-healing architecture and the Hewlett Packard Enterprise on-going performance monitoring and tuning.
File & Printer Sharing	File Share. Individual file storage and group file shares on resilient high-performance disk arrays Printer Sharing. Straightforward access to local printers for all users
Compute Resources	IaaS Virtual Machines. Compute capacity to host on-premises apps. Allocate CPUs, RAM and storage to virtual machines for local applications.
Network Functions	DNS and DHCP-Critical network services on-premises Firewall. ICSA certified firewall gateway to the Internet protects LAN-side applications, data and users IPsec-On the public Internet, securely connects all branch sites using IPsec and next generation firewall VPN- Secure remote access to services for users and IT administrators

Models

User Management User Control Console- Individual user and group administration

Active Directory- Industry-leading user credential management, installed on-premises

SSO- Option of Single Sign On to MS Office 365 using AD in the Cloud

Gateway Product

Security and Control Firewall-ICSA certified firewall gateway to the Internet protects LAN-side applications, data and users
 Web Filter- Enables blocking of inappropriate web content in real-time. The URL categorization engine makes it easy to block websites in over 140 categories
 Bandwidth Control-Control and visualisation of network traffic at a fine-grained level
 Virus-Blocker-On-the wire anti-virus scanning automatically scans HTTP, FTP and SMTP traffic

Cloud Backup and Disaster Recovery Product

Business Continuity Cloud Backup-Nightly backup of the entire system to cloud storage with an option of data-retention periods, inclusive of all Cloud storage costs, for a predictable subscription price
 Disaster Recovery-Temporary access to users data in the cloud in the event of a major outage, followed by data restoration to your hardware

Windows Server Products

Windows Server Single Instance for VMs. Windows Server 2012 and 2008 are supplied as a subscription price for deployment in to the HPE IaaS Virtual Machine

Multiple Instances for VMs. Windows Server 2012 and 2008 Datacentre license available as a subscription price for unlimited IaaS VMs

NOTE: For dual-server High Availability deployment, Windows licenses for IaaS VMs must be purchased for both servers

RDS Product

User Desktops Microsoft RDS platform provided as a subscription service ready for your users' desktop applications. RDS services are fully monitored and kept-current by HPE. Desktop configuration and contents are managed by your IT team or IT partner

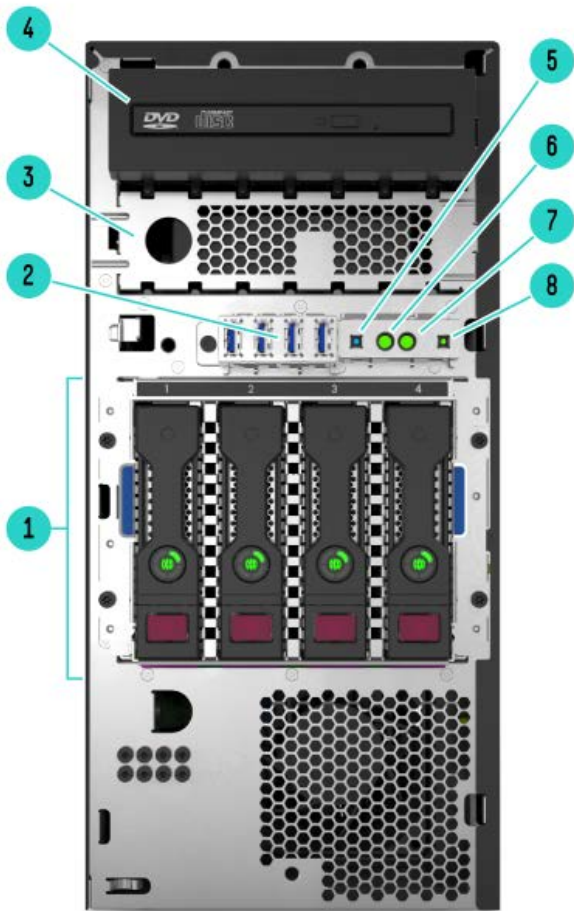
NOTE: Two or more Windows Server licenses must also be purchased to host RDS services

Models

HPE ProLiant ML30 Generation 9 (Gen9)

HPE ProLiant ML30 Gen9, delivers a full featured single-socket tower server with the right features at a competitive price, easy to use and maintain for growing small businesses and remote branch offices.

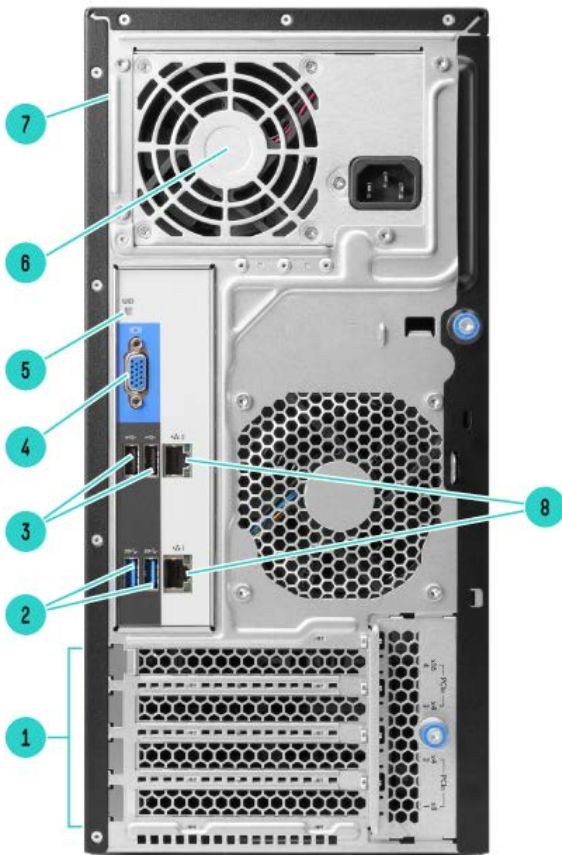
4 LFF Model



Front View (details for 4LFF and 8SFF)

1. Four (4) LFF or Eight (8) SAS/SATA HDD cage
2. Four (4) USB 3.0 connectors
3. Media Drive Blank
4. 9.5mm Slim SATA DVD-ROM or DVD RW Optical Drive
5. Power On/Standby button and system power LED button
6. NIC status LED
7. Health LED
8. UID (unit identification) button/LED

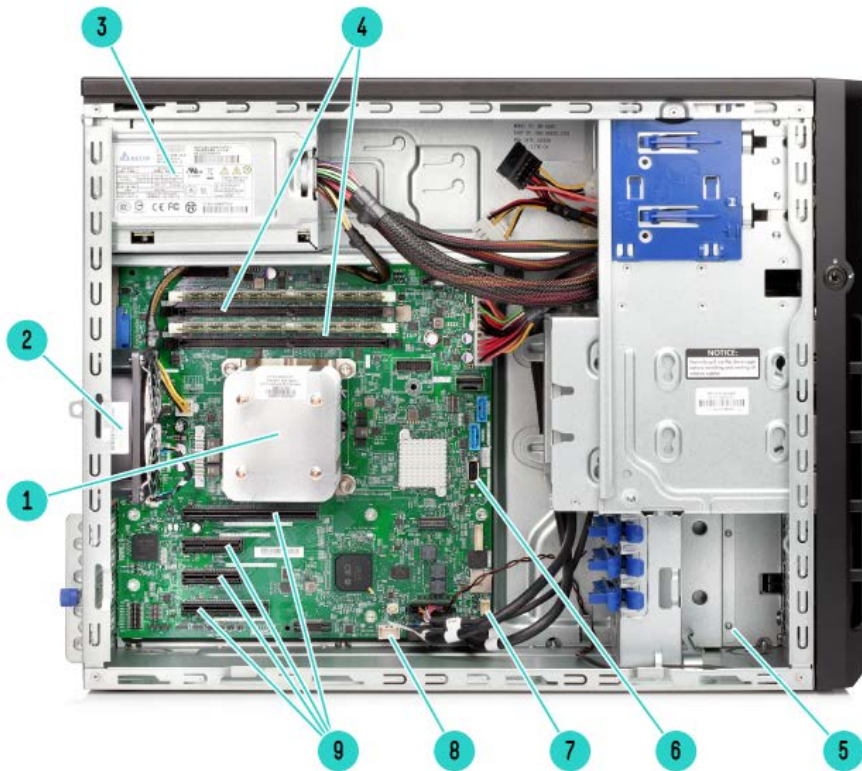
Models



Rear View

1. PCI Slots (Slots 1-4)
2. USB 3.0 (2)
3. USB 2.0 (2)
4. Video Connector
5. UID LED
6. Power Supply Power Fan
7. HPE 350W Power Supply
8. Network RJ-45 Ports (2)

Models



Internal View

1. One (1) processor and heatsink
2. System Fan
3. Power Supply
4. Four (4) DDR4 DIMM slots
5. System Fans: System fan and Front PCI fan (optional)
6. Two (2) Internal USB 2.0 connectors (USB Type A, Tape Drive Header)
7. Gen9 Smart Storage Battery Holder Kit
8. MicroSD slot
9. Four (4) PCIe expansion slots

[SKU Number]	824379-XX1
Model Name	PSHP ProLiant ML30 INTEL XEON 4-CORE E3-1220-V5/ 2.4GHZ, 4GB(1X4GB) DDR4 SDRAM, SMART ARRAY B140I WITHOUT FBWC, 1GB 2-PORT 330I ADAPTER, 1X 350W PS
Processor	Intel® Xeon® E3-1220v5
Number of Processors	One
Memory	4 GB (1x4GB Registered DIMMs, 2133 MHz))
Network Controller	Broadcom 5720 Dual-port 1GbE
Storage Controller	HP Dynamic Smart Array B140i
Hard Drive	None ship standard

Models

Internal Storage	1x4 LFF HDD Bays (Hot Plug)
Optical Drive Bay	Optional: DVD-ROM, DVD-RW
PCI-Express Slots	4 PCIe 3.0 slots
Power Supply	(1) 350W ATX Power Supply
Fans	1 non hot plug, non-redundant
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials (optional)
Form Factor	Tower (4.5U)
Warranty	Server Warranty includes 3-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response. response.

Upgrade Options

Memory	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 Standard Memory Kit (US)	805669-B21
	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 (UK)	
Storage	HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	657750-B21
	HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	658079-B21
	HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	693687-B21
	HP Ethernet 1Gb 2-port 332T Adapter	615732-B21
Networking	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 Standard Memory Kit (US)	805669-B21
	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 (UK)	

Required Services options

Base Software	HPE CMIT ML30 Base NC SW 3yr LTU	P9B94A
	HPE CMIT ML30 Base SMB SW 3yr LTU	P9B95A
Server	3 Year Next Business Day ML30 Gen9 Foundation Care Service	H1AS0E
iLO	HP Integrated Lights-Out Essentials including 3yr 24x7 Tech Support and Updates Single Server License	BD774A

HPE Cloud Services

Curated Apps and Cloud Services	HPE Cloud Managed IT Backup and Disaster Recovery per TB Current Configuration 3 Year LTU	P9C00A
	HPE Cloud Managed IT ML30 Next Generation Gateway 3 Year LTU	P9C01A
	HPE Cloud Managed Non-commercial RDS per User License 3 Year LTU	P9C10A

Models

HPE Cloud Managed SMB RDS per User License 3 Year LTU	P9C11A
HPE Cloud Managed Non-commercial IT Windows Server per VOSE 3 Year LTU	P9C12A
HPE Cloud Managed SMB IT Windows Server per VOSE 3 Year LTU	P9C13A
HPE Cloud Managed IT Non-commercial Windows Data Center Per Appliance CPU 3 Year LTU	P9C14A
HPE Cloud Managed IT SMB Windows Data Center per Appliance CPU 3 year LTU	P9C15A
HPE Cloud Managed IT Web Filter per 500 Student 3 Year LTU	P9C16A

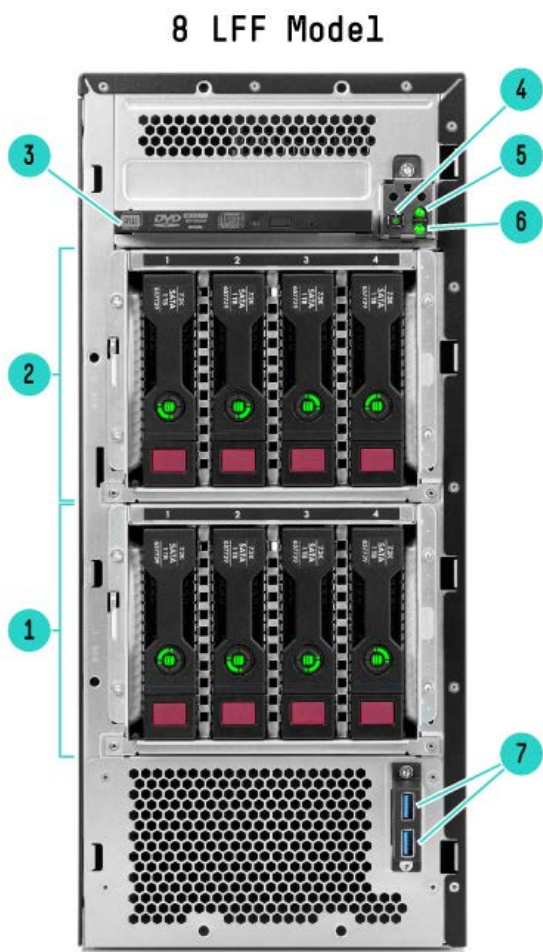
HPE ProLiant ML30 Cloud Managed Server

Minimum Required Configuration	INTEL XEON 4-CORE E3-1220-V5/ 2.4GHZ, 32GB DDR4 SDRAM, SMART ARRAY B140I WITHOUT FBWC, 1GB 2-PORT 330I ADAPTER, 1X 350W PS	
	HPE ProLiant ML30	824379-001
	32GB (8GBx4)	803028-B21
	ILO Essentials	BD775A
	1TB HDD(x2)	652753-B21
	2x1GB Ports	615732-B21
	Dedicated ilo	780310-B21
	3 Year NBD Service	H1AS0E

Models

HPE ProLiant ML110 Generation9 (Gen9)

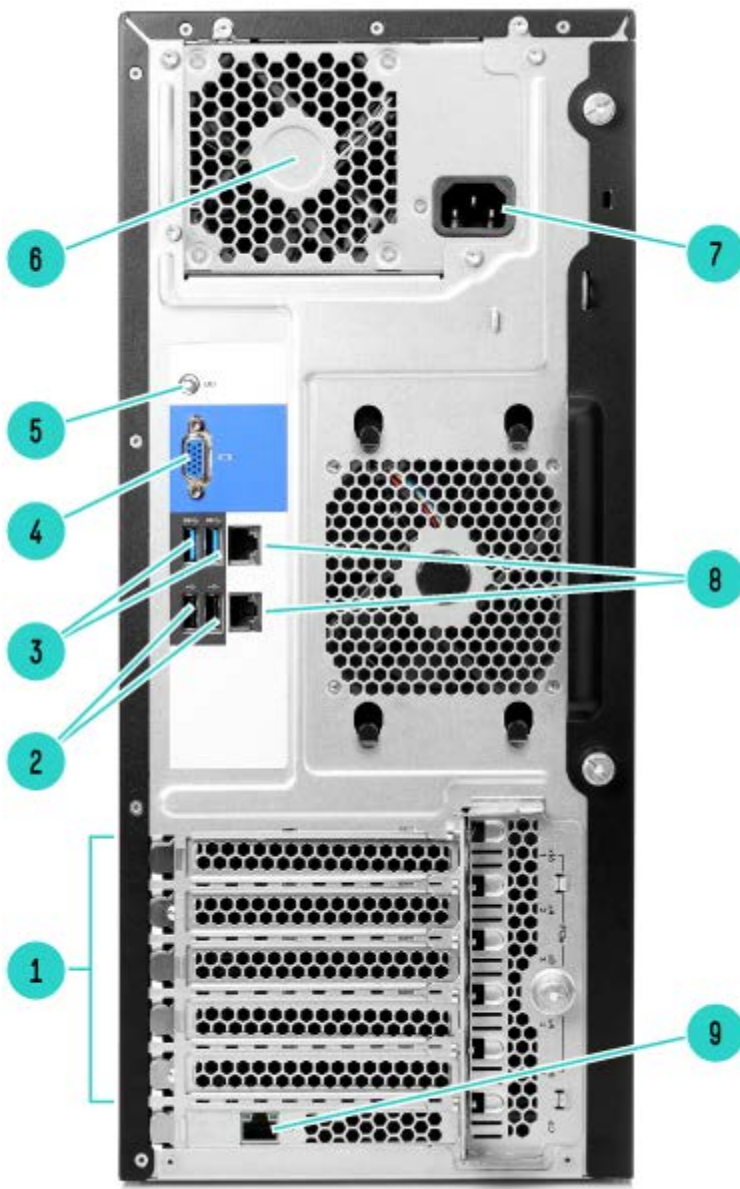
The HPE ProLiant ML110 Gen9 Server is a 1P/ 4.5U affordable single-socket tower server featuring better performance, expansion, and growth than previous 1P single-socket tower models. Designed to meet small and mid-sized businesses' performance compute demands the ML110 Gen9 delivers exceptional value at an affordable price.



Front View (details for 8LFF and 16SFF)

- | | |
|-----------------------------|---------------------------|
| 1. Drive cage | 5. Health LED |
| 2. Drive cage | 6. NIC status LED |
| 3. Optical drive (optional) | 7. USB 3.0 (2) connectors |
| 4. Power button/LED | |

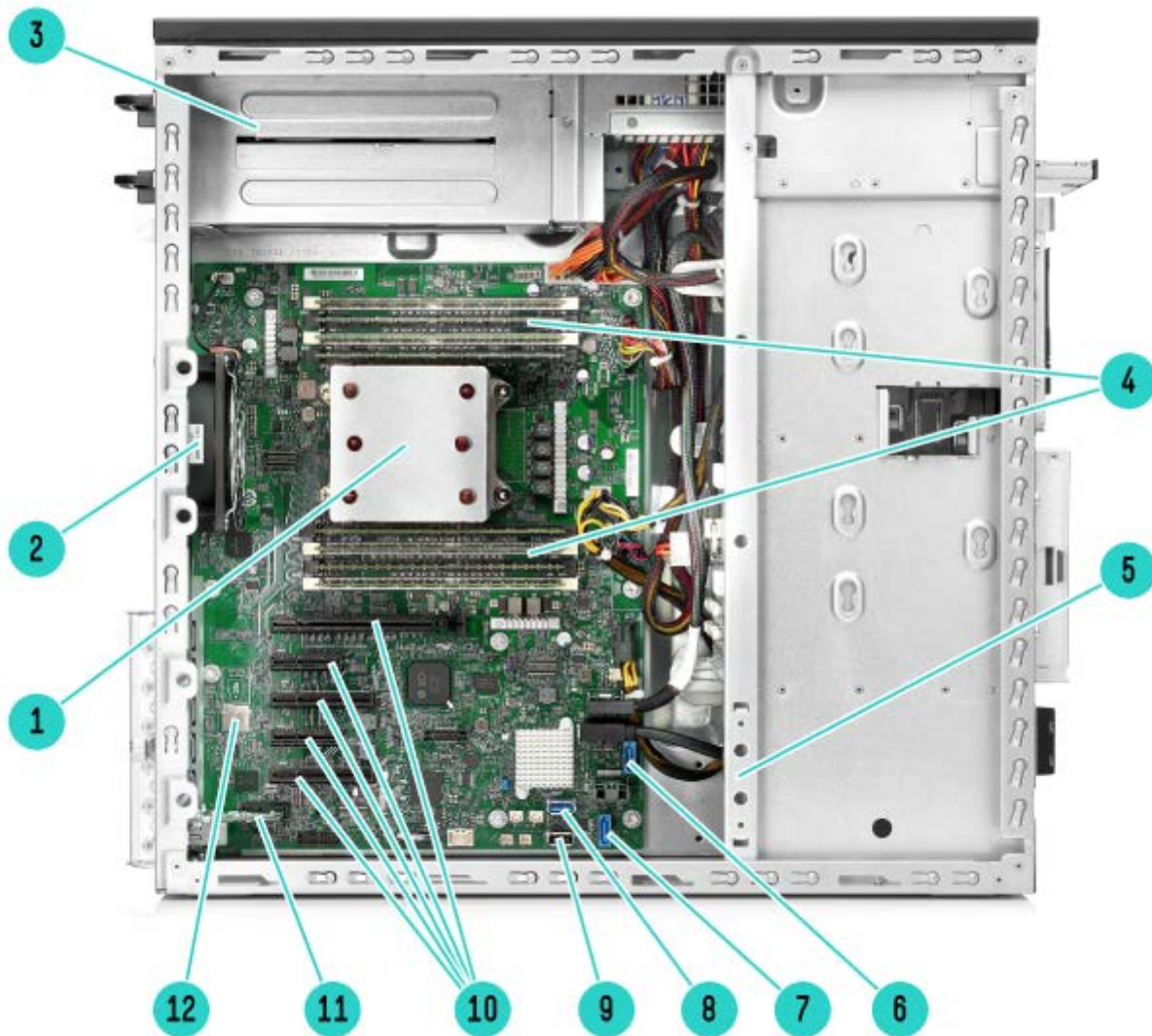
Models



Rear View

- | | |
|----------------------------|--------------------------------------------------|
| 1. PCIe3 Slots (Slots 1-5) | 6. Power supply bay |
| 2. USB 2.0 (2) connectors | 7. Power supply power connection |
| 3. USB 3.0 (2) connectors | 8. Network RJ-45 ports (2) |
| 4. Video connector | 9. HPE ML Gen9 dedicated iLO port kit (optional) |
| 5. UID button/LED | |

Models



Internal View

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. One (1) processor and heatsink with HPE Smart Socket Guide 2. System Fan (92x32mm default), upgrade system fan(92x38mm) is required for 140W E5-1600v3 Processor and SAS SSD 3. Power Supply backplane cage 4. Eight (8) DDR4 DIMM slots 5. PCIe fan (option required to support PCIe expansion cards) 6. Front USB 3.0 connector | <ol style="list-style-type: none"> 7. SATA connector 1 8. Internal USB 3.0 connector 9. Internal USB 2.0 connector 10. Five (5) PCIe3 expansion slots 11. Dedicated iLO module slot (optional) 12. MicroSD slot |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Models

[SKU Number]	777161-XX1
Model Name	HP ProLiant ML110- INTEL XEON 6-CORE E5-2620V3/ 2.4GHZ, 8GB(1X8GB) DDR4 SDRAM, SMART ARRAY B140I WITHOUT FBWC, 1GB 2-PORT 330I ADAPTER, 1X 550W PS
Processor	Intel® Xeon® E5-2620v3
Number of Processors	One
Memory	8 GB (1x8GB Registered DIMMs, 1600 MHz)
Network Controller	Broadcom 5717 Dual-port 1GbE
Storage Controller	HP Dynamic Smart Array B140i
Hard Drive	None ship standard
Internal Storage	1x4 LFF HDD Bays (Hot Plug)
Optical Drive Bay	Optional Slim Optical Bay (SATA DVD-RW/ROM Optical Drive)
PCI-Express Slots	5 PCIe 3.0 slots (without risers)
Power Supply	(1) HP 550W ATX Power Supply
Fans	1 non hot plug, non-redundant
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials (optional)
Form Factor	Tower (4.5U)
Warranty	Server Warranty includes 3-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response.

Upgrade Options

Memory	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 Standard Memory Kit (US)	803028-B21
	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 (UK)	726718-B21
Storage	HP ML110 Gen9 4LFF Hot Plug Drive Cage Kit	784584-B21
	HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	657750-B21
	HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	658079-B21
	HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	693687-B21
Networking	HP Ethernet 1Gb 2-port 332T Adapter	615732-B21
iLO	HP dedicated iLO interface	780310-B21

Required Services options

Base Software	HPE CMIT ML110 Base NC SW 3yr LTU	P9B92A
	HPE CMIT ML110 Base SMB SW 3yr LTU	P9B93A
Server	3 Year Next Business Day ML110 Gen9 Foundation Care Service	U8JA5E
iLO	HP Integrated Lights-Out Essentials including 3yr 24x7 Tech Support and Updates Single Svr License	BD774A

Models

HPE Cloud Services

Curated Apps and Cloud Services	HPE Cloud Managed IT Backup and Disaster Recovery per TB Current Configuration 3 Year LTU	P9C00A
	HPE Cloud Managed IT Academy Gateway 1-150 IP Address 3 Year LTU	P9C01A
	HPE Cloud Managed ML110 Next Gen Gateway 3 Year LTU	P9C02A
	HPE Cloud Managed Non-commercial RDS per User License 3 Year LTU	P9C10A
	HPE Cloud Managed SMB RDS per User License 3 Year LTU	P9C11A
	HPE Cloud Managed Non-commercial IT Windows Server per VOSE 3 Year LTU	P9C12A
	HPE Cloud Managed SMB IT Windows Server per VOSE 3 Year LTU	P9C13A
	HPE Cloud Managed IT Non-commercial Windows Data Center Per Appliance CPU 3 Year LTU	P9C14A
	HPE Cloud Managed IT SMB Windows Data Center per Appliance CPU 3 year LTU	P9C15A
	HPE Cloud Managed IT Web Filter per 500 Student 3 Year LTU	P9C16A

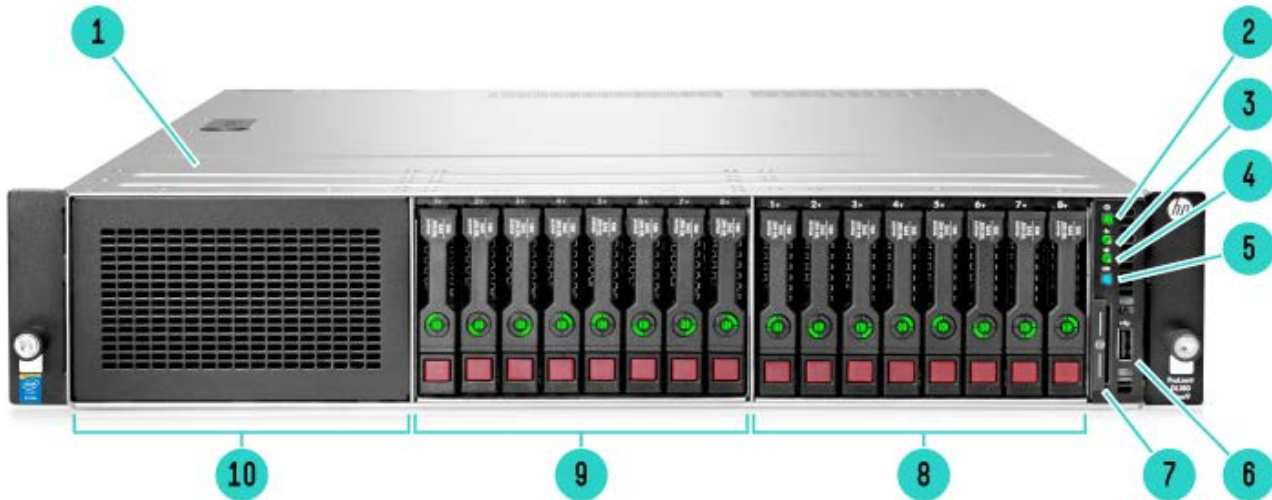
HPE ProLiant ML110 Cloud Managed Server

Minimum Required Configuration	INTEL XEON 6-CORE E5-2620V3/ 2.4GHZ, 32GB(4x8MiGB) DDR4 SDRAM, SMART ARRAY B140I WITHOUT FBWC, 1GB 2-PORT 330I ADAPTER, 1X 550W PS	
	HPE ProLiant ML110	777161-001
	32GB (4x8GB)	803028-B21
	ILO Essentials	BD775A
	4LFF HDD Cage	784584-B21
	1TB HDD(x2)	652753-B21
	2x1GB Ports	615732-B21
	Dedicated ilo	780310-B21
	3 Year NBD Service	U8JA5E

Models

HPE ProLiant DL180 Generation9 (Gen9)

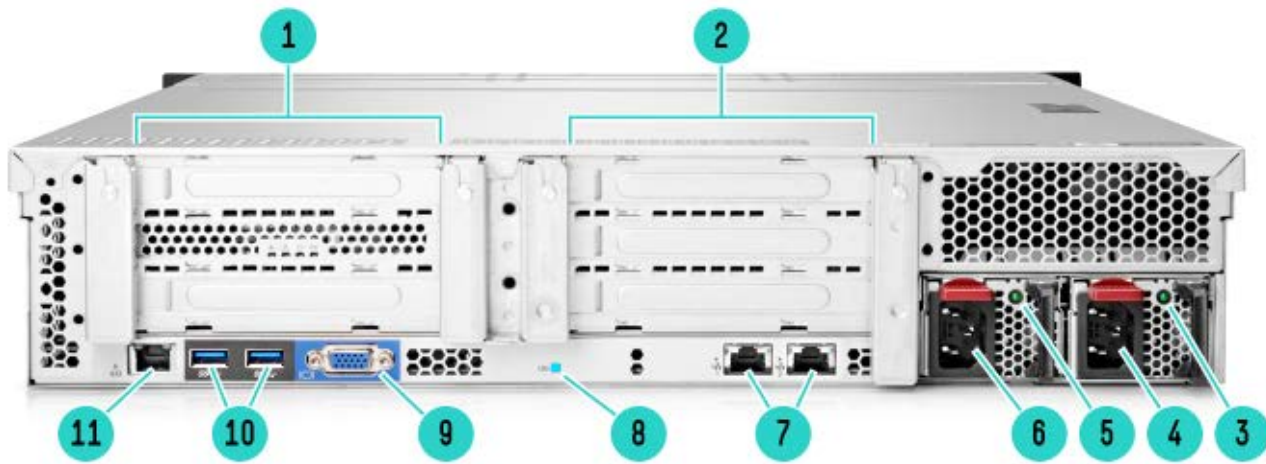
The new standard for growing data center needs. Delivering an optimized 2U server, designed with the right balance of expandability, performance, reliability, and manageability—all in a new compact chassis. The ideal platform for SMBs and enterprises running applications, which need the right mix of compute and storage.



Front View

- | | |
|-------------------------------------------------|---------------------------------------------------------------------------------|
| 1. Access Panel (Top Cover) | 6. USB 2.0 connector |
| 2. Power On/Standby button and system power LED | 7. Serial label pull tab |
| 3. Health LED | 8. Fixed 8-bay SFF drive cage (box 3) |
| 4. NIC status LED | 9. 8-bay SFF drive cage bay (box 2, for the second 8-bay SFF drive cage option) |
| 5. UID button/LED | 10. HPE Media Bay (box 1, for the optical drive cage option) |

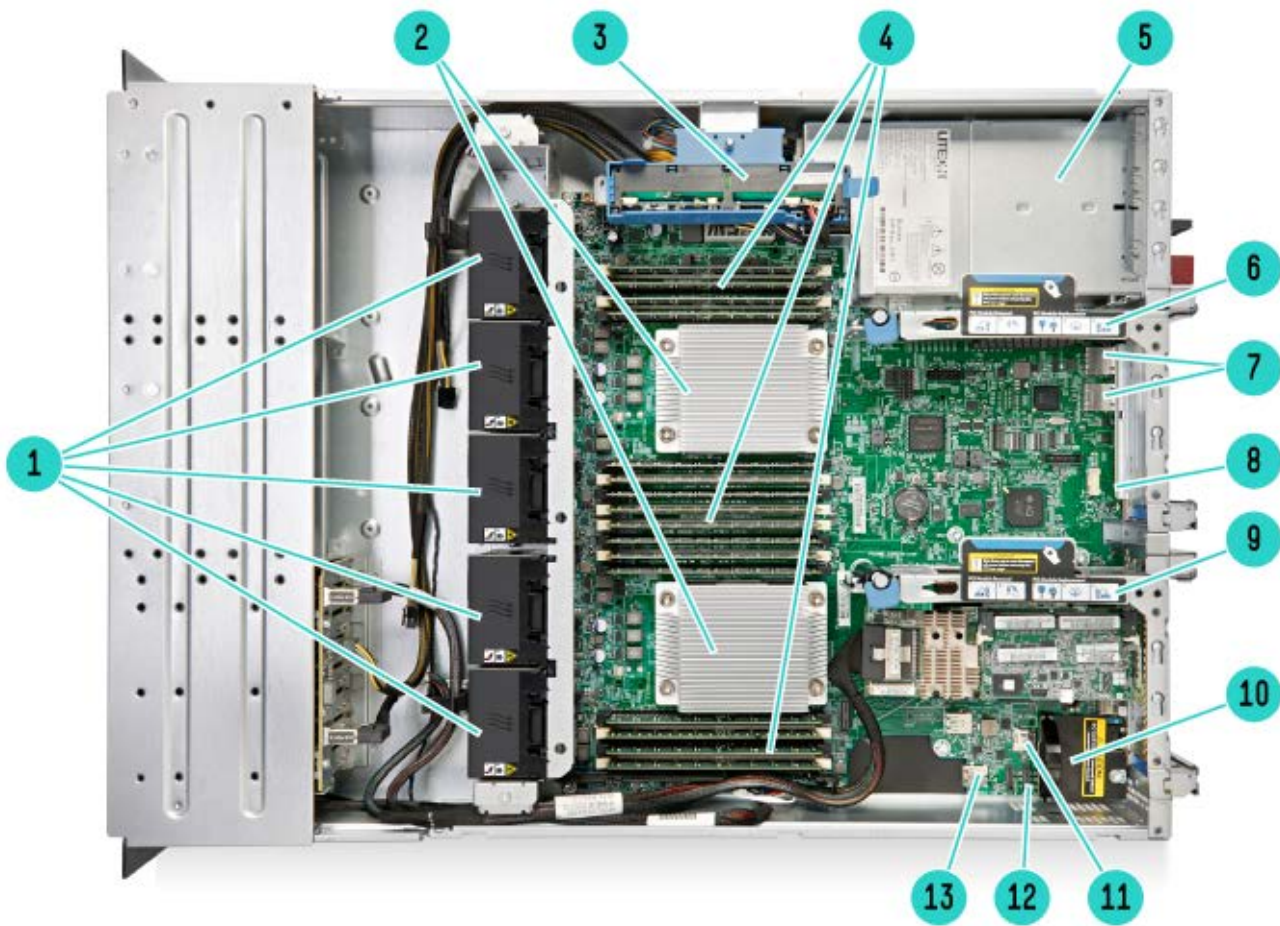
Models



Rear view

- | | |
|-------------------------------------------------------------|----------------------------------------|
| 1. PCIe3 slots 1-3 (primary, associated with processor 1) | 7. NIC connectors |
| 2. PCIe3 slots 4-6 (secondary, associated with processor 2) | 8. UID LED |
| 3. Power Supply 2 LED (Optional) | 9. Video Connector |
| 4. Power Supply 2 Power Connector (Optional) | 10. USB 3.0 Connectors |
| NOTE: RPS shown in the picture. | |
| 5. Power Supply 1 LED (Optional) | 11. Dedicated iLO connector (optional) |
| 6. Power Supply 1 Power Connector (Optional) | |

Models



Internal View

1. Fan cage shown with 5 Hot-swap fans (for 2P Redundancy)
2. 2 Processors, heatsink showing, with HPE Smart Socket Guide
3. Optional HPE Smart Storage Battery
4. DDR4 DIMM slots. Shown fully populated in 16 slots (8 per processor)
5. Entry level power supply bay (1x900W shown)
NOTE: RPS (with one module) shown in the picture above.
6. Connection for second (optional) riser (Required second CPU)
7. Embedded 2x1GbE NIC
8. Flexible LOM sideband signal connector
9. Primary PCIe riser, standard
10. Dedicated iLO module connector
11. MicroSD card slot
12. SATA optical drive connector
13. Internal USB 3.0 connector (for USB flash devices)

What's New

- New HDD offering.

[SKU Number]

778456-B21

Models

Model Name	HP ProLiant DL180 INTEL XEON 6-CORE E5-2603V3/ 1.6GHZ, 8GB(1X8GB) DDR4 SDRAM, SMART ARRAY B140I WITHOUT FBWC, 1GB 2-PORT NC361I ADAPTER, 8LFF HOT PLUG SATA, 1X 550W PS	
Processor	Intel® Xeon® E5-2603v3	
Number of Processors	One	
Memory	8GB (1x8GB Registered DIMMs, 2133 MHz)	
Network Controller	HP Ethernet 1Gb 2-port i350 Adapter	
Storage Controller	SMART ARRAY B140I	
Hard Drive	None ship standard	
Internal Storage	8 LFF HDD Bays (Hot Plug)	
Optical Drive Bay	Not Available	
PCI-Express Slots	3 Standard (1-FL/FH, 2-FH/HL)	
Power Supply	(1) HP 550W FIO Power Supply	
Fans	2 hot swap fans, non-redundant	
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials (optional)	
Energy Star	Meets Energy Star requirements	
Form Factor	Rack (2U), HP Easy Install Rails with CMA	
Warranty	Server Warranty includes 3-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response.	

Upgrade Options

Processor	HP DL180 Gen9 Intel® Xeon® E5-2640v3 (2.6GHz/8-core/20MB/90W) Processor Kit	719049-B21
Memory	HP 8GB (1x8GB) Single Rank x4 DDR4-2133 Standard Memory Kit	803028-B21
Storage	HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	658079-B21
	HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	693687-B21
	HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	753874-B21
Networking	HP Ethernet 1Gb 2-port 332T Adapter	615732-B21
iLO	HP dedicated iLO interface	780310-B21

Required Services options

Base Software	HPE CMIT DL180 Base NC SW 3yr LTU	P9B96A
	HPE CMIT DL180 Base SMB SW 3yr LTU	P9B97A
Server	3 Year Next Business Day DL180 Gen9 Foundation Care Service	U7AS7E
iLO	HP Integrated Lights-Out Essentials including 3yr 24x7 Tech Support and Updates Single Svr License	BD774A

HPE Cloud Services

Curated Apps and Cloud	HPE Cloud Managed IT Backup and Disaster Recovery per TB Current Configuration 3 Year LTU	P9C00A
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Models

Services	HPE Cloud Managed DL180 Next Gen Gateway 3 Year LTU	P9C03A
	HPE Cloud Managed Non-commercial RDS per User License 3 Year LTU	P9C10A
	HPE Cloud Managed SMB RDS per User License 3 Year LTU	P9C11A
	HPE Cloud Managed Non-commercial IT Windows Server per VOSE 3 Year LTU	P9C12A
	HPE Cloud Managed SMB IT Windows Server per VOSE 3 Year LTU	P9C13A
	HPE Cloud Managed IT Non-commercial Windows Data Center Per Appliance CPU 3 Year LTU	P9C14A
	HPE Cloud Managed IT SMB Windows Data Center per Appliance CPU 3 year LTU	P9C15A
	HPE Cloud Managed IT Web Filter per 500 Student 3 Year LTU	P9C16A

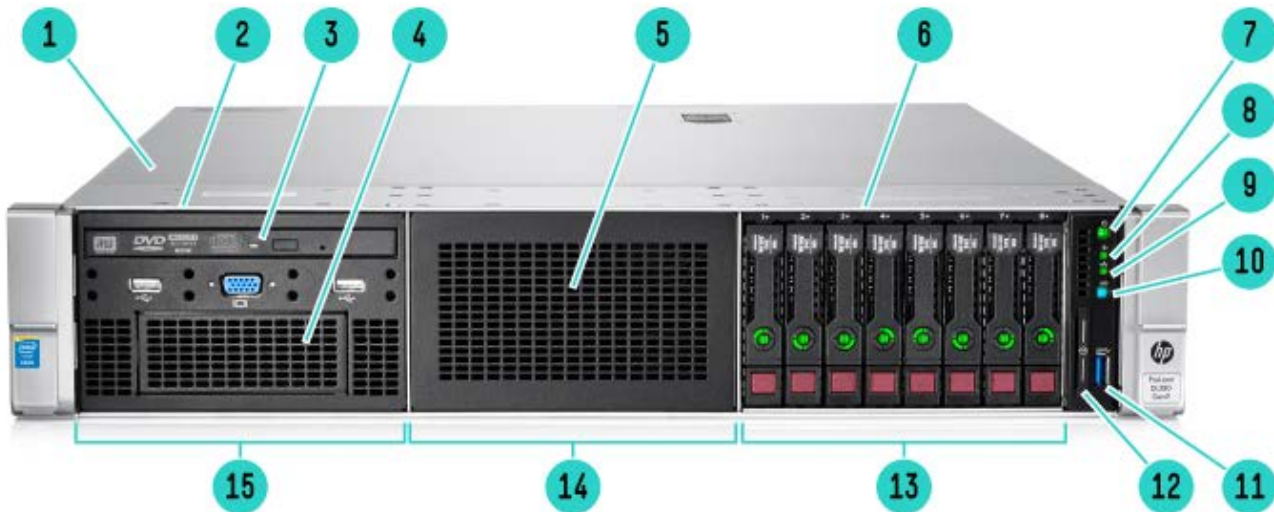
HPE ProLiant DL180 Cloud Managed Server

Minimum Required Configuration	INTEL XEON 6-CORE E5-2603V3/ 1.6GHZ, 64GB(4X16GB) DDR4 SDRAM, SMART ARRAY B140I WITHOUT FBWC, 1GB 2-PORT NC361I ADAPTER, 8LFF HOT PLUG SATA, 1X 550W	
	HPE ProLiant DL180	778453-B21
	Intel® Xeon® E5-2640v3	719049-B21
	64 GB STD	803028-B21
	ILO Essentials	BD775A
	2TB HDD (x4)	652757-B21
	2x1GB Ports	615732-B21
	Dedicated ilo	780310-B21
	Rail Kit	733664-B21
	3 Year NBD Service	U7AS7E

Models

HPE ProLiant DL380 Generation9 (Gen9)

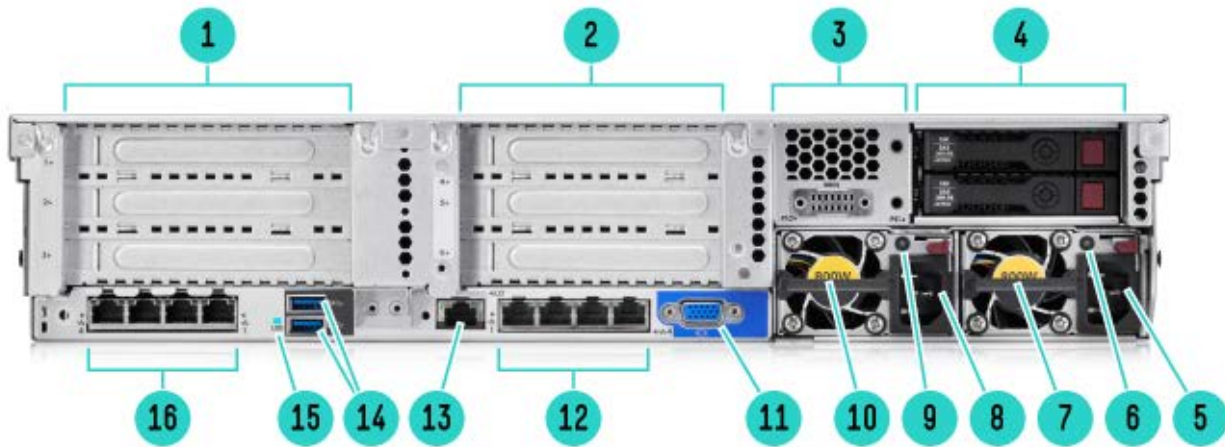
The HPE ProLiant DL380 Gen9 Server delivers the best performance and expandability in the HPE 2P rack portfolio. Reliability, serviceability and near continuous availability, backed by a comprehensive warranty, make it ideal for any environment. Deploy the data center standard.



Front View - 8SFF Chassis with Optional Universal Media Bay shown

- | | |
|------------------------------------------------------------------------|---------------------------|
| 1. Quick removal access panel | 9. NIC status |
| 2. Universal Media bay. 2 USB 2.0 and VGA standard (8SFF bay optional) | 10. UID button |
| 3. Optional Optical drive. Requires Universal Media bay | 11. USB 3.0 |
| 4. Optional 2 SFF HDD, blank shown. Requires Universal Media bay | 12. Serial label pull tag |
| 5. Drive Bay 2. Blank shown, 8SFF or 6NVMe optional | 13. Bay 3 |
| 6. 8 SFF Drive Cage Bay | 14. Bay 2 |
| 7. Power On/Standby button and system power LED button | 15. Bay 1 |
| 8. Health LED | |

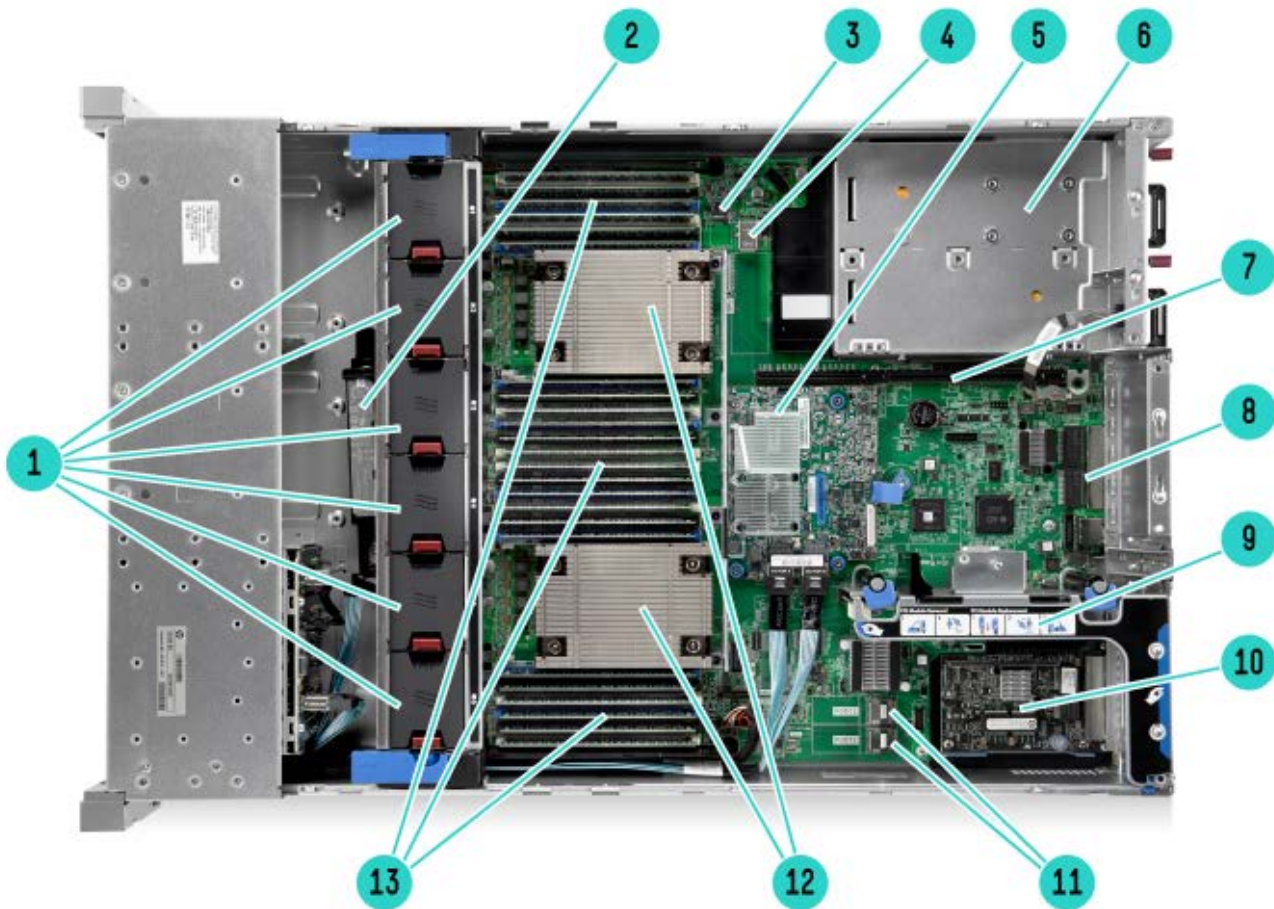
Models



Rear view

1. PCI Slots (Slots 1-3 top to bottom, riser shipped standard)
2. PCI Slots (Slots 4-6 top to bottom, requires second riser card, and second processor)
3. Optional serial port
4. Optional rear 2 SFF HDD (supported in 24 SFF or 12 LFF front end)
5. Power supply Power connection
6. Power supply Power LED
7. HPE Flexible Slot Power Supply bay 2 (800w shown)
8. Power supply Power connection
9. Power supply Power LED
10. HPE Flexible Slot Power Supply bay 1 (800w shown)
NOTE: Optional Micro UPS option.
11. VGA connector
12. Embedded 4x1GbE Network Adapter
13. Dedicated iLO connector
14. USB 3.0 connectors (2)
15. Unit ID LED
16. Optional FlexibleLOM ports (Shown: 4x1GbE)

Models



Internal View

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. Fan cage shown with 6 standard Hot-plug fans (High Performance fans optional) 2. Optional HPE Smart Storage Battery 3. MicroSD card slot
NOTE: Optional Dual MicroSD. 4. Internal USB 3.0 connector 5. Optional HPE Flexible Smart Array or Smart HBA (H240ar shown) 6. (Under) Hot Plug redundant HPE Flexible Slot Power supplies
NOTE: Optional Micro UPS option. 7. Connection for second (optional) riser (Required second CPU) | <ol style="list-style-type: none"> 8. Embedded 4x1Gbe NIC 9. Primary PCIe riser, standard (Optional double wide GPU riser) 10. Optional Flexible LOM slot 11. X4 SATA ports (1 and 2) 12. 2 Processors, heatsink showing, with HPE Smart Socket Guide 13. DDR4 DIMM slots. Shown fully populated in 24 slots (12 per processor) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

What's New

- New max capacity SFF Solid State Drives
- New Graphics option, NVIDIA M60

Models

[SKU Number]	752689-B21
Model Name	HP ProLiant DL380INTEL XEON E5-2620V3/2.40GHZ, 16GB DDR4 SDRAM, HP SMART ARRAY P840AR WITH 4GB FBWC, 4X GIGABIT ETHERNET, 2X 800WATT PS
Processor	Intel® Xeon® E5-2620v3
Number of Processors	ONE
Memory	16GB (1x16GB Registered DIMMs, 2133 MHz)
Network Controller	HP Embedded 4x1Gb
Storage Controller	HP Flexible Smart Array P840ar/4GB
Hard Drive	None ship standard
Internal Storage	8 LFF HDD Bays
PCI-Express Slots	6 PCIe slots (includes second riser slot upgrade option)
Power Supply	(2) HP 800W Flex Slot Platinum Power Supply
Fans	6 hot plug fans, redundant
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (standard), HP OneView (optional)
Energy Star	Meets Energy Star requirements
Form Factor	Rack (2U), HP Easy Install Rails with CMA
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response

Upgrade Options

Processor	HP DL380 Gen9 Intel® Xeon® E5-2690v3 (2.6GHz/12-core/30MB/135W)	719044-L21
Memory	HP 16GB (1x16GB) Dual Rank x4 DDR4-2133	726719-B21
Storage	HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	658079-B21
	HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	693687-B21
	HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	753874-B21
Networking	HP Ethernet 1Gb 2-port 332T Adapter	615732-B21

Required Services options

Base Software	HPE CMIT DL380 Base NC SW 3yr LTU	P9B98A
	HPE CMIT DL380 Base SMB SW 3yr LTU	P9B99A
Care Pack	3 Year Next Business Day DL180 Gen9 Foundation Care Service	U7AD9E

HPE Cloud Services

Models

Curated Apps and Cloud Services	HPE Cloud Managed IT Backup and Disaster Recovery per TB Current Configuration 3 Year LTU	P9C00A
	HPE Cloud Managed IT DL380 Next Gen Gateway 3 Year LTU	P9C04A
	HPE Cloud Managed Non-commercial RDS per User License 3 Year LTU	P9C10A
	HPE Cloud Managed SMB RDS per User License 3 Year LTU	P9C11A
	HPE Cloud Managed Non-commercial IT Windows Server per VOSE 3 Year LTU	P9C12A
	HPE Cloud Managed SMB IT Windows Server per VOSE 3 Year LTU	P9C13A
	HPE Cloud Managed IT Non-commercial Windows Data Center Per Appliance CPU 3 Year LTU	P9C14A
	HPE Cloud Managed IT SMB Windows Data Center per Appliance CPU 3 year LTU	P9C15A
	HPE Cloud Managed IT Web Filter per 500 Student 3 Year LTU	P9C16A

HPE ProLiant DL380 Cloud Managed Server

Minimum Required Configuration	INTEL XEON E5-2690V3, 64GB DDR4 SDRAM, HP SMART ARRAY P840AR WITH 4GB FBWC, 4X GIGABIT ETHERNET, 2X 800WATT PS	
	DL180	752688-B21
	Intel® Xeon® E5-2690v3	719044-L21
	64 GB STD (4x16GB)	803028-B21
	2TB HDD (x4)	652757-B21
	Rail Kit	733664-B21
	3 Year NBD Service	U7AD9E

Summary of Changes

Date	Version History	Action	Description of Change
1-Dec-2015	Version 1	Created	New QuickSpecs



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