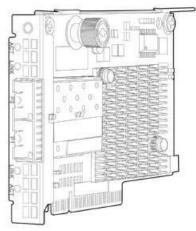
Overview

HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter

The HP FlexFabric 10Gb 2-port 556FLR-SFP+ adapter for ProLiant Gen9 rack servers provides full-featured, high performance, converged 10Gb Ethernet that accelerates IT services and increases data center efficiency across a broad range of I/O intensive enterprise, cloud and Telco workloads.

It offers a rich set of offload technologies including overlay network tunneling and storage as well as RDMA over Converged Ethernet (RoCE) capabilities that increase host efficiency and virtualization performance.

The HP FlexFabric 556FLR-SFP+ can provide up to 40Gbps of converged bi-directional Ethernet bandwidth, helping to alleviate network bottlenecks.



HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter

Models

HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter HP FlexFabric 10Gb 2-port 556FLR-SFP+ FIO Adapter 727060-B21 732456-B21

Kit Contents

- HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter
- Quick install card
- Product warranty statement



Compatibility

HP ProLiant Server Support

HP ProLiant DL580 Gen8 ٠

- HP ProLiant DL360 Gen9 •
- HP ProLiant DL380 Gen9

Tape Drive

Nearline Tape Products:

- D2D •
- VLS
- **ESL** libraries
- **EML** libraries •
- ESL G3 library •
- MSL G3 libraries (2024, 4048, 8096) •



Standard Features

| Product Features | Dual 10Gb ports provide up to 40Gb bi-directional per adapter Converges FCoE or RoCE with LAN traffic on a single 10 GbE wire Tunnel Offload support for VXLAN and NVGRE RDMA over Converged Ethernet (RoCE) for greater server efficiency and lower latency Advanced storage offload processing freeing up valuable CPU cycles Supports UEFI and legacy boot options Mixed Storage – supports NIC + FCoE on one port, and NIC + iSCSI on the other Concurrent Storage – concurrently supports NIC, FCoE, and iSCSI storage functions on the same port (NIC + FCoE + iSCSI) Industry-leading throughput and latency performance Over eight million small packets/s, ideal for web/mobile applications, mobile messaging, and social media FlexibleLOM Adapter Greater bandwidth with PCIe 3.0 Includes 128MB of onboard memory Jumbo Frames support Supports Wake On LAN (WOL) Supports Wake On LAN (WOL) Supports receive-side scaling (RSS) for the efficient distribution of network receive processing across multiple CPUs in multiprocessor systems Support for Windows SMB Direct Supports VMWare NetQueue, Microsoft Virtual Machine Queue (VMQ) for Windows Optimized host virtualization density with SR-IOV support | | | |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Dual-port 10 Gigabit Ethernet Throughput (theoretical bandwidth) | The 20,000 Mbps bi-directional Ethernet transfer rate per port (40 Gbps aggregate bi-directional), providing the network performance needed to improve response times and alleviate bottlenecks. 10Gb Ethernet bandwidth is ideal for high performance computing, database clusters. | | | |
| PCI Express Interface | The HP 556FLR-SFP+ is designed with an eight lane (x8) PCI Express bus based on the PCIe 3.0 standard. The adapter is backward compatible with four lane (x4) PCI Express, automatically auto-sensing between x8 and x4 slots. | | | |
| Jumbo Frames | The HP 556FLR-SFP+ adapter supports Jumbo Frames, permitting up to a 9,200 byte (KB) transmission unit (MTU) when running Ethernet I/O traffic. This is over 5X the size of a standard 1500-byte Ethernet frame. With Jumbo Frames, networks can achieve higher throughput performance and lower CPU utilization. These attributes are particularly useful for storage, database transfer and tape backup operations. | | | |
| MSI-X | Message Signaled Interrupt (Extended) provides performance benefits for multi-core servers by loa balancing interrupts between CPUs/cores. | | | |
| Hardware iSCSI or FCoE with Full Offload | The 556FLR-SFP+ is the only network option for HP Gen9 rack servers that supports hardware FCoE or iSCSI with full protocol offload. | | | |
| TCP/IP Stateless Offloading | For overall improved system response, the HP 556FLR-SFP+ adapter supports standard TCP/IP offloading techniques including: | | | |
| | TCP/IP checksum offload (TCO) moves the TCP and IP checksum offloading from the CPU to the network adapter. Large Send Offload (LSO) or TCP Segmentation Offload (TSO) allows the TCP segmentation to be handled by the adapter rather than the CPU. | | | |



Standard Features

| RDMA (RoCE) | RoCE is an accelerated I/O delivery mechanism that allows data to be transferred directly from the user memory of the source server to the user memory of the destination server bypassing the operating system (OS) kernel. Because the RDMA data transfer is performed by the DMA engine on the adapter's network processor, the CPU is not used for the data movement, freeing it to perform other tasks such has hosting more virtual workloads (increased VM density). RDMA also bypasses the host TCP/IP stack, in favor of upper layer InfiniBand protocols implemented in the adapter's network processor. The bypass of the TCP/IP stack and the removal of a data copy step reduce overall latency to deliver accelerated performance for applications such as Microsoft Hyper-V Live Migration, Microsoft SQL and Microsoft SharePoint with SMB Direct. | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Tunnel Offload | Minimize the impact of overlay networking on host performance with tunnel offload support for VXLAN and NVGRE. By offloading packet processing to adapters, customers can use overlay networking to increase VM migration flexibility and network scale with minimal impact to performance. HP Tunnel Offloading increases I/O throughput, reduces CPU utilization, and lowers power consumption. Tunnel Offload supports VMware's VXLAN and Microsoft's NVGRE solutions. | |
| Interrupt Coalescing | Interrupt coalescing (interrupt moderation) groups multiple packets, thereby reducing the number of interrupts sent to the host. This process optimizes host efficiency, leaving the CPU available for other duties. | |
| 802.1p QoS Tagging | S Tagging IEEE quality of service (QoS) 802.1p tagging allows the adapter to mark or tag frames with a priori level across a QoS-aware network for improved traffic flow. | |
| 802.1Q VLANs | IEEE 802.1Q virtual local area network (VLAN) protocol allows each physical port of the HP 556FLR- SFP+ adapter to be separated into multiple virtual NICs for added network segmentation and enhanced security and performance. VLANs increase security by isolating traffic between users. Limiting the broadcast traffic to within the same VLAN domain also improves performance. | |
| iSCSI/FCoE Boot | The HP FlexFabric 556FLR-SFP+ adapter supportsiSCSI INT 13 Boot and FCoE Boot from SAN | |

Network Management

| Management Support | Like all HP ProLiant server adapters, the HP 556FLR-SFP+ adapter ships with agents that can be managed from HP Systems Insight Manager or other management application that support SNMP. | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Server Integration | The HP 556FLR-SFP+ adapter is a validated, tested, and qualified solution that is optimized for HP ProLiant servers. HP validates a wide variety of major operating systems drivers with the full suite of web-based enterprise management utilities including HP Intelligent Provisioning and HP Systems Insight Manager that simplify network management. | |
| | This approach provides a more robust and reliable networking solution than offerings from other venders and provides users with a single point of contact for both their servers and their network adapters. | |
| Configuration Utilities | Each HP 556FLR-SFP+ ships with a suite of operating system-tailored configuration utilities that allow the user to enable initial diagnostics and configure adapter teaming. This includes a patente teaming GUI for Microsoft Windows operating systems. Additionally, support for scripted installat of teams in a Microsoft Windows environment allow for unattended OS installations. | |
| LED Indicators | Bracket LED indicators show link integrity and network activity for easy troubleshooting. | |
| Preboot eXecution Environment (PXE) | Support for PXE enables automatic deployment of computing resources remotely from anywhere. It allows a new or existing server to boot over the network and download software, including the operating system, from a management/ deployment server at another location on the network. Additionally, PXE enables decentralized software distribution and remote troubleshooting and | |



Standard Features

repairs. Warranty Maximum: The remaining warranty of the HP product in which it is installed (to a maximum three-year, limited warranty). Minimum: One year limited warranty. Minimum: One year limited warranty. Additional information regarding worldwide limited warranty and technical support is available at: http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html



Service and Support

| Service and Support | HP Technology Services HP Technology Services offers you consultants and support experts to solve your most complex infrastructure problems. We help keep your business running, boost availability and avoid downtime. | | | |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | Protect your business beyond warranty with HP Care Pack Services When you buy HP Options, it's also a good time to think about what level of service you may need. HP Care Pack services provide total care and support expertise with committed response choices designed to meet your IT and business need. | | | |
| | HP Foundation Care services deliver scalable support-packages for HP industry-standard servers and software. You can choose the type and level of service that is most suitable for your business needs. New to this portfolio is HP Collaborative Support. If you are running business critical environments, HP offers Proactive Care or Critical Advantage. These services help you deliver high levels of application availability through proactive service management and advanced technical response. | | | |
| | Here is the support service recommendation from the Foundation Care and Proactive Care portfolio. For customized support service solution, HP can work with you to tailor a service solution for your unique support requirements using broader services portfolio of Foundation Care and Proactive Care. | | | |
| Recommended Services | Recommended HP Care Pack Services for optimal satisfaction with your HP product | | | |
| | 3-Year HP 24x7 4 hour Response, Hardware Support Onsite Service | | | |
| | Provides you with rapid remote support and if required an HP authorized representative who will arrive on site any time and day of the year to begin hardware maintenance service within 4 hours of the service request being logged. | | | |
| | http://h20195.www2.hp.com/V2/GetPDF.aspx/5982-6547EEE.pdf | | | |
| | OR | | | |
| | 3-Year HP 24x7 4 hour Response, HP Collaborative Support | | | |
| | Offers customers a single point of contact for server problem diagnosis, hardware problem resolution, and basic software problem diagnosis, fault isolation, and resolution if available to HP. If the problem is with HP HW, the representative will arrive on site any time and day of the year to begin hardware maintenance service within 4 hours of the service request being logged. In case, the issue is with HP or supported third-party software product and cannot be resolved by applying known fixes, HP will contact the third-party vendor and create a problem incident on your behalf. | | | |
| | HP ProLiant Server Hardware Installation | | | |
| | Provides for the basic hardware installation of HP branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner. | | | |
| | http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-9356EN.pdf | | | |
| Related Services | Related HP Care Pack Services to enhance your HP product experience | | | |
| | 3-Year HP 24x7 4 hour Response, Proactive Care or Critical Advantage | | | |
| | Helps optimize your systems and delivers high levels of application availability through proactive service management and advanced technical response. A skilled Technical Manager will own your query or issue end to end until resolved, delivering a single point of contact for you. | | | |



Service and Support

| | http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-2140ENW.pdf | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | OR | |
| | 3-Year HP 6-hour Onsite Call-to-Repair, HP Collaborative Support Offers customers a single point of contact for server problem diagnosis, hardware problem resolution to return the hardware in operating condition within 6 hours of the initial service request to the HP Global Solution Center, and basic software problem diagnosis, fault isolation, and resolution if available to HP. In case, the issue is with HP or supported third-party software product and cannot be resolved by applying known fixes, HP will contact the third-party vendor and create a problem incident on your behalf. | |
| | HP Proactive Select Service Provides a flexible way to purchase HP best-in-class consultancy and technical services. You can buy Proactive Select Service Credits when you purchase your hardware and then use the credits over the next 12 months. http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-3842ENN.pdf | |
| Insight Remote Support Provides 24 X 7 remote monitoring, proactive notifications, and problem resolution. Le http://www.hp.com/go/insightremotesupport | | |
| HP Support Center | Personalized online support portal with access to information, tools and experts to support HP business products. Submit support cases online, chat with HP experts, access support resources or collaborate with peers. Learn more http://www.hp.com/go/hpsc | |
| | HP's Support Center Mobile App* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime. | |
| | HP Insight Remote Support and HP Support Center are available at no additional cost with a HP warranty, HP Care Pack or HP contractual support agreement. | |
| | *HP' Support Center Mobile App is subject to local availability | |
| Parts and materials | HP will provide HP-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recomment engineering improvements. Supplies and consumable parts will not be provided as part of this servis standard warranty terms and conditions apply. Parts and components that have exceeded their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacture operating manual or the technical product data sheet will not be provided, repaired or replaced as p of this service. | |
| Warranty / Service Coverage | For ProLiant servers and storage systems, this service covers HP-branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as external monitors up to 22" and tower UPS products; these items will be covered at the same service level and for the same coverage period as the server unless the maximum supported lifetime and/or the maximum usage limitation has been exceeded. Coverage of the UPS battery is not included; standard warranty terms and conditions apply. | |
| | The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by HP due to malfunction. It does not apply to any exchange of Disk or SSD/Flash Drives that have not failed. SSD/Flash Drives that are specified by HP as consumable parts and/or that have exceeded maximum supported lifetime and/or the maximum usage limit as set forth in the manufacturer's operating manual or the technical data sheet are not eligible for the defective media retention service feature option. | |





Service and Support

For more information

To learn more on services for HP ESSN Options, please contact your HP sales representative or HP Authorized Channel Partner. Or visit: http://www.hp.com/services/proliant or www.hp.com/services/bladesystem

Related Options

| Direct Attach Cable | HP BladeSystem c-Class 10GbE SFP+ to SFP+ 0.5m Direct Attach Copper Cable HP BladeSystem c-Class 10GbE SFP+ to SFP+ 1m Direct Attach Copper Cable HP BladeSystem c-Class 10GbE SFP+ to SFP+ 3m Direct Attach Copper Cable HP BladeSystem c-Class 10GbE SFP+ to SFP+ 5m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 0.65m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 1.2m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 3m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 5m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 5m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 5m Direct Attach Copper Cable HP X240 10G SFP+ to SFP+ 5m Direct Attach Copper Cable | 487649-B21 487652-B21 487655-B21 537963-B21 JD095C JD096C JD097C JG081C JC784C |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| | environments. | |
| Fiber Optic Modules | HP BladeSystem c-Class 10Gb SFP+ SR Transceiver NOTE : Fiber transceivers and cables must be purchased separately for fiber-optic environments. | 455883-B21 |
| Fiber Optic Cables | HP LC to LC Multi-mode OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable | AJ833A |
| | HP LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable | AJ834A |
| | HP LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable | AJ836A |
| | HP LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable | AJ837A |
| | HP LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable | AJ838A |
| | HP LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable | AJ839A |
| | NOTE: Fiber transceivers and cables must be purchased separately for fiber-optic | |
| | environments. | |
| | NOTE : For additional information on 10Gb cable specifications go to: http://www.hewlett-packard.com/rnd/pdfs/10gig_cabling_technical_brief.pdf | |
| | | |
| Additional Supported | HP X240 10G SFP+ to SFP+ 0.65m Direct Attach Copper Cable | JD095C |
| Cables | HP X240 10G SFP+ to SFP+ 1.2m Direct Attach Copper Cable | JD096C |
| (Plug into HPN5900) | HP X240 10G SFP+ to SFP+ 3m Direct Attach Copper Cable | JD097C |
| | HP X240 10G SFP+ to SFP+ 5m Direct Attach Copper Cable | JG081C |
| | HP X240 10G SFP+ SFP+ 7m Direct Attach Copper Cable | JC784C |
| | HP X240 40G QSFP+ to 4x10G SFP+ 1m Direct Attach Copper Splitter Cable | JG329A |
| | HP X240 40G QSFP+ to 4x10G SFP+ 3m Direct Attach Copper Splitter Cable | JG330A |
| Additional Supported | HP X242 10G SFP+ to SFP+ 1m Direct Attach Copper Cable | J9281B |
| Cables | HP X242 10G SFP+ to SFP+ 3m Direct Attach Copper Cable | J9283B |
| (Plug into HPN6600) | HP X242 10G SFP+ to SFP+ 15m Direct Attach Copper Cable | J9287B |
| Gigahit Server Adapter | s HP NC112T PCI Express Gigabit Server Adapter | 503746-B21 |
| uigavit seivei Muaptei | HP NC360T PCI-E Dual Port Gigabit Server Adapter | 412648-B21 |
| | HP NC364T PCI-E Dual Port Gigabit Server Adapter HP NC364T PCI-E Quad Port Gigabit Server Adapter | 435508-B21 |
| | HP NC365T 4-port Ethernet Server Adapter | 435508-B21 593722-B21 |
| | HP NC373T PCI-E Multifunction Gigabit Server Adapter | 394791-B21 |
| | HP NC373F PCI-E Multifunction 1000SX Gigabit Svr Adapter | 394793-B21 |
| | HP NC375T PCI Express Quad Port Gigabit Server Adapter | 538696-B21 |
| | HP NC3751 PCI Express Quad Port Gigabit Server Adapter HP NC382T PCI Express Dual Port Multifunction Gigabit Server Adapter | |
| | HP Ethernet 1Gb 4-port 331T Adapter | 458492-B21 647594-B21 |
| | HP Ethernet 1Gb 2-port 332T Adapter | 615732-B21 |
| | הי בנוופורוכנ דטט ב-טטור ססבד אטמעופו | 013/32-021 |



Related Options

| | HP Ethernet 1Gb 2-port 361T Adapter | 652497-B21 | | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|
| 10 Gigabit Server | NOTE : A minimum of two Gigabytes (2 GB) of server memory is required per each adapter. | | | |
| Adapters | HP NC523SFP 10Gb 2-port Server Adapter | 593717-B21 | | |
| | HP NC552SFP 10Gb 2-port Ethernet Server Adapter | 614203-B21 | | |
| | HP Ethernet 10Gb 2-port 530SFP Adapter | 652503-B21 | | |
| | HP Ethernet 10Gb 2-port 530T Adapter | 656596-B21 | | |
| | HP Ethernet 10Gb 2-port 560SFP+ Adapter | 665249-B21 | | |
| | HP Ethernet 10Gb 2-port 561T Adapter | 716591-B21 | | |
| | HP Ethernet 10Gb 2-port 570SFP+ Adapter | 718904-B21 | | |
| FlexibleLOM Adapters | NOTE : A minimum of two Gigabytes (2 GB) of server memory is required per each adapter. | | | |
| | Ethernet Adapters | | | |
| | HP Ethernet 1Gb 4-port 331FLR Adapter | 629135-B21 | | |
| | HP Ethernet 1Gb 4-port 366FLR Adapter | 665240-B21 | | |
| | HP Ethernet 10Gb 2-port 530FLR-SFP+ Adapter | 647581-B21 | | |
| | HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter | 665243-B21 | | |
| | HP Ethernet 10Gb 2-port 561FLR-T Adapter | 700699-B21 | | |
| | HP Ethernet 10Gb 2-port 570FLR-SFP+ Adapter | 717491-B21 | | |
| | FlexFabric Adapters | | | |
| | HP FlexFabric 10Gb 2-port 526FLR-SFP+ Adapter | 629138-B21 | | |
| | HP FlexFabric 10Gb 2-port 533FLR-T Adapter | 700759-B21 | | |
| | HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter NOTE : Please see the QuickSpecs for Technical Specifications and additional information: www.hp.com/go/ProLiantNICs | 700751-B21 | | |

Technical Specifications

| General Specifications | Network processor | Emulex XE-102 | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | Data rate | Two ports, each at 20 theoretical bandwidth | Gbps bi-directional; 40 Gbps aggregate bi-directional 1. | |
| | Onboard memory | 128MB | | |
| | Bus type | PCI Express v3.0 (Gen | 3) x8 | |
| | Form factor | FlexibleLOM | | |
| | IEEE Compliance | 802.3ae, 802.1Q, 802.3x, 802.1p, 802.3ad/LACP, 802.1AB(LLDP), 802.1Qbg, 802.1Qbb, 802.1Qaz | | |
| Power and | Operating | Temperature | 0°C to 55°C / 32°F to 131°F | |
| Environmental | | Humidity | 15% to 80% non-condensing | |
| Specifications | Non-operating | Temperature | -40°C to 70°C / -40°F to 158°F | |
| | | Humidity | 10% to 90% non-condensing | |
| | Power requirement | 8.4 W typical, 9.7 W m | aximum | |
| | Emissions classification | | 5 A, BSMI Class A, CISPR 22 Class A, ACA Class A, 5024-1, ICES-003 Class A, MIC Class A | |
| | Safety | UL Mark (USA and Can CE Mark En 60590-1 | ada) | |
| | Other | PCIe 3.0 | | |
| | | RoHS compliance 6 of 6 | | |
| | | IPv4, IPv6 | | |
| | | CE | | |
| | | ACPI 1.1a | | |
| | | Microsoft WHQL (Windows Hardware Quality Labs) | | |
| | | Server Design Guide version 3.0 (SDG 3.0) | | |
| Operating System Support | Windows: Microsoft Windows Server 2012, 2012 R2, 2008, 2008 R2 w/ SP1 (x64) Microsoft Windows Hyper-V 2008 R2 w/SP1, 2012, 2012 R2 | | | |
| | Linux: Red Hat Enterprise Linux & SUSE Linux Enterprise Ser | | | |
| | HyperVisors: Citrix XenServer 6.5 (Creedence) Citrix XenServer (Naples) (x64) | | | |
| | NOTE: For more operating system support & certification information, please visit: http://h10018.www1.hp.com/wwsolutions/index.html. | | | |
| Environment-friendly Products and Approach | End-of-life Management and Recycling | recycling programs in please go to: http://w please go to: http://w | ers end-of-life HP product return, trade-in, and a many geographic areas. For trade-in information, yww.hp.com/go/green. To recycle your product, yww.hp.com/go/green or contact your nearest HP a returned to HP will be recycled, recovered or onsible manner. | |
| | | The EU WEEE directiv | e (2002/95/EC) requires manufacturers to provide | |

The EU WEEE directive (2002/95/EC) requires manufacturers to provide



Technical Specifications

treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/green. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.



Summary of Changes

| Date | Version History | Action | Description of Change: |
|-------------|---------------------|---------|-----------------------------------------------------------------------------------------------|
| 12-Sep-2014 | From Version 1 to 2 | Changed | Small changes made to Compatibility, Standard Features and Technical Specifications sections. |

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