



HPE 6127XLG Blade Switch (787635-B21)

Server Interconnects



What's new

- Supports native VXLAN, VTEP termination and NSX applications.
- High-performance 20GbE server-side connections are a first for an HPE blade switch. Ample 10/40GbE uplinks remain available for linking to aggregation/core switches.
- OpenFlow 1.3 allows for network automation, architectural flexibility, and programmability for policy-driven control and self-service innovation.

Overview

Do you have a complex data center that requires a demanding networking infrastructure?

It all starts at the edge and that's where the HPE 6127XLG Ethernet Blade Switch excels. The 6127XLG Ethernet Blade Switch is designed to support virtualized server environments with exceptional bandwidth of 20GbE to each and every server, while providing a mix of 40GbE and 10GbE links (with an astounding aggregate of 240 Gb) to the core network. Combined with hardware support for VXLAN encapsulation, this provides the perfect switch for Private/Public/Hybrid Cloud applications. Enterprise customers will not be disappointed with the 6127XLG Ethernet Blade Switch as it provides a converged fabric solution that supports Ethernet,

iSCSI, Fibre Channel over Ethernet (FCoE), and Fibre Channel Forwarder (FCF) protocols enabling connectivity for multiple storage topologies. A full complement of Layer 2/3 protocols and the latest in network security features round out this most capable of blade switches.

Features

Designed with Cloud and Virtualized Data Centers in Mind

The HPE 6127XLG Ethernet Blade Switch has up to 20GbE of bandwidth available for each of sixteen server ports increasing customer flexibility.

Latest ASIC technology supports VXLAN, NGVRE encapsulation and the switching matrix is non blocking.

The 40GbE and 10GbE uplinks provide 240 Gb of aggregate bandwidth to the network.

A Fully Featured Enterprise Class Switch

The HPE 6127XLG Ethernet Blade Switch supports Ethernet, iSCSI, Fibre Channel over Ethernet (FCoE), and Fibre Channel Forwarder (FCF) protocols- which is ideal for a Converged Infrastructure (CI) environment.

Provides both IPv4/IPv6 Layer 3 routing.

Simplified management with HPE Intelligent Management Center (IMC) Software.

Comware 7 and IRF II allows for a stackable domain of up to eight switches. An entire rack can be managed as part of a single domain.

The Future of Networking Is Already Here

The HPE 6127XLG Ethernet Blade Switch supports Software-defined Networking (SDN) deployment to provide an end-to-end solution to automate the network from edge to core. Compatible with HPE Networking's Virtual Application Network (VAN) controller.

Transparent Interconnection of Lots of Links (TRILL) and Shortest Path Bridging (SPB) provides Layer 2 multipath providing active-active links, enables faster convergence times, and increases network bandwidth.

Technical specifications**HPE 6127XLG Blade Switch**

| | |
|---------------------------------------|---|
| Product Number (SKU) | 787635-B21 |
| Media type technology | Ethernet |
| Aggregate switch bandwidth | 1.2Tbs full duplex |
| Protocol supported | Ethernet, iSCSI, FCoE, RoCE |
| Port speed | 10 / 20 / 40Gb |
| Number of ports | 16 downlinks, 12 uplinks, 4 cross connects |
| Blades per enclosure, maximum | 8 |
| BladeSystem supported | Yes, please reference the QuickSpecs for details |
| Management features | CLI, Web, IMC, TACAS, Radius, SNMP |
| Minimum dimensions (H x W x D) | 37.01 x 29.31 x 8.99 cm |
| Weight | 2.1 kg |
| Warranty | Switch Warranty includes one year of parts, one year of labor, one year of onsite support coverage. HPE support and service coverage for your product that can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at http://www.hp.com/support . |

Additional resources

QuickSpecs

hpe.com/h20195/v2/GetDocument.aspx?docname=c04692828

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HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

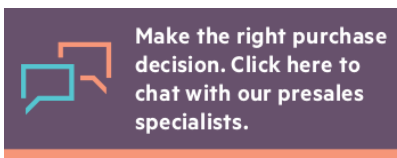
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- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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hpe.com/uk/en/solutions/smb/jrit-promotions.html



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