

HPE 615732-B21 Datasheet



HPE ETHERNET 1GB 2-PORT 332T ADAPTER, 616012-001, 615730-001

615732-B21

Need a cost effective 1GbE Solution for your HPE ProLiant server? The HPE Ethernet 1Gb 2-port BASE-T BCM5720 Adapter is a dual-port, low-cost, low profile 1Gb adapter featuring a PCIe 2.0 compliant form factor designed for select HPE ProLiant ML/DL/SL servers. It delivers full line-rate performance across all ports with low power consumption, providing Ethernet connectivity ideal for virtualization, security, server consolidation, and network segmentation. Supported advanced features include Large Send and Receive offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, jumbo frames, IEEE 1588 (Precision Time Protocol – PTP), and virtualization features such as VMware NetQueue and Microsoft Virtual Machine Queue (VMQ). Support for HPE Sea of Sensors 3D Technology enhances server performance while reducing energy use and expense.

Key Features

- Single-chip, Dual-port, 1 Gb Ethernet Adapter Designed for Performance and Energy Savings
- An aggregate, full duplex transfer rate of 4 Gb/s per adapter improves response times and alleviates bottlenecks.
- Comprehensive stateless offloads optimize host efficiency and virtual machine density by offloading network processes from the host CPU.
- Virtualization support for VMware NetQueue and Microsoft VMQ helps meet the performance demands of consolidated virtual workloads.
- Support for MSI/MSI-X provides performance benefits for multi-core servers by load balancing interrupts between CPUs/cores.

- Support for Energy Efficient Ethernet (EEE) reduces operating expenses.

Specifications

- HPE Option Part #: 615732-B21
- HPE Spare Part #: 616012-001
- Transfer rate: 1 Gb/sec
- Form factor: Standup
- Power availability: 2W (maximum)
- Technology: Network processor
- Protocol supported: Ethernet, 802.3, 802.3ab, 802.3u, 802.3x, Dynamic 802.3ad, 802.1Q, 802.3az, 1588, 802.1as
- Data rate: 1Gb
- Bus type: PCIe Gen2 x1
- Port speed: 4 Gbps
- Number of ports: 2-port

Compatibility

- ProLiant DL (rack-optimized):
 - HPE ProLiant DL160 Gen8
 - HPE ProLiant DL165 G7
 - HPE ProLiant DL360e Gen8
 - HPE ProLiant DL360p Gen8
 - HPE ProLiant DL380e Gen8
 - HPE ProLiant DL380p Gen8
 - HPE ProLiant DL385p Gen8
 - HPE ProLiant DL580 G7
 - HPE ProLiant DL585 G7
- ProLiant ML (expansion-optimized):

- HPE ProLiant ML350e Gen8

- HPE ProLiant ML350p Gen8
- ProLiant SL (scalable line):
 - HPE ProLiant SL230s Gen8

 - HPE ProLiant SL250s Gen8

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