



SlotOptimizer™ 564GL PCI-Express Low Profile Quad-Port Ethernet Adapter

Broadcom®-Based Quad-Port 10/100/1000 Gigabit Ethernet connectivity from a single PCI-Express slot

FEATURES

- PCI Express x4, revision 1.1
Low Profile
- Low Profile or Full Height Face Plate
- Four independent 10/100/1000 Gigabit Ethernet ports
- Broadcom® BCM5715C 10/100/1000Base-T controller with integrated transceiver
- Auto Negotiation automatically detects and configures the link speed and the duplex type of the network connection
- Each port is IEEE 802.3ab compliant for 10BASE-T, 100BASE-TX, 1000BASE-T for assured compatibility
- Full or Half Duplex Operation
 - Supports up to 2Gbps throughput per port
- Configurable to support Jumbo Frames (9KB)
- Per port LED indicators show link status, link speed and link activity
- Driver support for:
 - Linux®
 - Netware
 - Windows NT
 - Windows 2000
 - Windows XP
 - Windows Server 2003
 - X86 Solaris

APPLICATIONS

- Enterprise Network Servers*
- Internet Servers*
- Low Profile Rack-Mounted Servers*
- Appliance Servers*
- High-Availability Firewalls and Cache Servers*
- Multi-Channel ISP Routers*

Maximizes Server Communications I/O

Providing the highest levels of overall system performance while conserving valuable PCI Express slots, the 564GL is the perfect solution for the new generation of small footprint and rack mounted servers that have limited expansion options for communications I/O. Supports both Low Profile and Full Height brackets.

Optimum Performance

Designed specifically for high-end enterprise environments, the SlotOptimizer 564GL adapter implements a high efficient PCI Express bus for even the most demanding network server applications.

Flexible Architecture

Each Gigabit Ethernet port on the Slot Optimizer 564GL supports auto-negotiation allowing the card to configure to the best possible mode of operation over a link, ensuring the highest possible performance.





564GL PCI-Express Quad-Port Gigabit Ethernet Adapter

Maximum Ethernet Performance

The Interphase SlotOptimizer 564GL PCI Express Quad-port Gigabit Ethernet Adapter provides increased bandwidth for even the most demanding networks. System speeds are maximized with Full Duplex modes allowing for simultaneous transmit and receive requests, providing maximized throughput.

Ethernet Auto-negotiation

Each independent Gigabit Ethernet port on the SlotOptimizer 564GL Adapter senses for 10, 100, or 1000 Mbps network transmission speed, and for half or full-duplex operation, and then automatically configures to the highest performance mode possible. This simplifies configuring the 564GL for multi-network operation with other Ethernet networking adapters, hubs, or switch ports.

LED Indicators

Each port of the 564GL features two LEDs that show link status/activity and network speed for easy "at a glance" monitoring for each port of the adapter.

Interphase Customer Service and Support

All Interphase products are backed by support programs designed to deliver maximized uptime for our customers worldwide. Included are standard and extended product warranty packages, standard and enhanced "7x24" live technical assistance, and free Web-based online support for the life of the product, including technical notes, downloadable driver enhancements, and information on new product releases. Interphase customer support ensures investment protection for your networking, remote access and mass storage connectivity.

Technical Specifications

Architecture	
Bus Type	PCI Express Revision 1.1
Data Transfer	2.5 Gbps/Lane/Direction
Bus Width	x4
I/O	
Port Count	Gigabit Ethernet
Connector	4
Data Transfer	RJ-45
	10/100/1000 Mbps
Mechanical	
Form Factor	PCI Express Low Profile
Length	6.6 in / 167.65 mm
Height	2.7 in / 68.90 mm
Depth	0.7 in / 17.2 mm
Face Plate	Low Profile or Full Height
Operating Environment	
Power Consumption	1A @ 12 VDC
Temperature	0 to 55° C (32 to 131 °F)
Relative Humidity	10% to 95% non-condensing
Altitude	0 to 15,000 ft.
Storage Environment	
Temperature	-40 to 85° C
Relative Humidity	10% to 95% non-condensing
Altitude	50,000 feet maximum

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About Interphase Corporation

Interphase Corporation (NASDAQ: INPH) delivers solutions for network connectivity, interworking, and packet processing for key applications for the communications, Mil/Aero, and enterprise markets. Founded in 1974, Interphase provides expert customization services and contract manufacturing, in addition to its COTS portfolio, and plays a leadership role in next generation AdvancedTCA® (ATCA), AdvancedMC™ (AMC), PCI-X, and PCIe standards and solutions. Interphase is headquartered in Plano, Texas, with sales offices across the globe.

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