

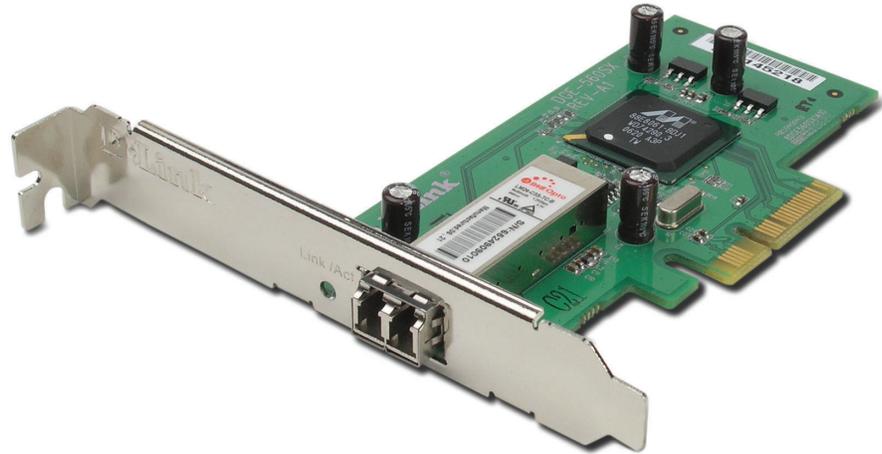
High-Performance Hardware

- 802.3z 1000BASE-SX standard
- Up to 550 m in multi-mode fiber cable
- PCI-E 1.0a interface with 2.5 GHz signaling
- 802.3x Flow Control and Full-Duplex operation
- Laser Eye Safety certified
- Hot-swappable

Advanced Functions

- 9 KB Jumbo Frames
- 802.1p Priority Queue QoS
- 802.1Q VLAN Security
- ACPI 2.0 Power Management
- Simple Network Management Protocol agent for integration in SNMP management
- D-Link Network Control Program for advanced feature configurations

Fiber Gigabit PCI Express x4 Adapter



The D-Link DGE-560SX Fiber Gigabit PCI Express x4 Adapter is a high-performance network card that lets businesses take advantage of the PCI Express (PCI-E) slots of their servers to enhance network performance with fiber-optic connectivity. The adapter's dedicated input/output (I/O) bandwidth PCI-E ensures priority performance without bus sharing for Gigabit Ethernet connectivity in fiber-optic networks.

PCI Express Interface

The DGE-560SX PCI Express x4 adapter supports 2 Gbps data addressing to increase higher throughput requirements from the adapter's PC board to the server host. It provides unsurpassed robustness, reliability and performance, and is the optimum I/O connectivity solution for a wide spectrum of server storage devices. As the successor to the PCI and PCI-X interfaces, the PCI Express bus architecture eliminates many of the inefficiencies of parallel PCI and PCI-X architectures. With lower pin counts and lower power consumption requirements, the DGE-560SX PCI Express host bus adapter also reduces system-level power requirements. PCI Express is backward compatible with PCI and PCI-X addressing, which allows all existing applications and operating systems to function unchanged.

Fiber-Optic Connection

Delivering network speeds of up to 2000 Mbps (full-duplex) over fiber-optic cable, the DGE-560SX adapter brings ample bandwidth to a server situated up to 550 m from it. It reduces the host operating system overhead by providing on-board verification

of IP headers as well as TCP/UDP checksum for data received. In turn, these functions free up server processing power for other applications.

VLAN & QoS Support

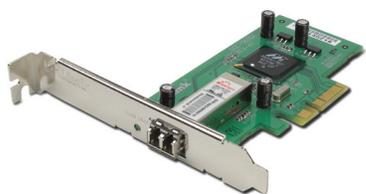
The DGE-560SX adapter provides on-board screening of VLAN tagged Ethernet frames compliant with IEEE 802.1Q. This allows the server to operate in a flexible and secure network configuration in a standards-based environment. It supports 802.1p Priority Queues for improved delivery of time-sensitive data like voice and video.

Advanced Functions

The DGE-560SX supports other advanced features, such as Jumbo Frames of up to 9 KB and Promiscuous mode. It supports ACPI (Advanced Configuration and Power Interface) specifications to enable OS-directed configuration and Power Management (OSPM) to enumerate and configure server motherboards. The adapter supports an SNMP agent for management through an SNMP-based platform.

Hot Swap Capability

It is often difficult or impossible to schedule downtime on a server to replace or install peripheral cards. As a PCI Express card, the DGE-560SX provides native support for hot plugging and hot swapping, which makes it ideal for installation in a server. This hot-swap capability makes it easy for network administrators to add, change or remove I/O peripherals while minimizing the server downtime.



Fiber Gigabit PCI Express x4 Adapter

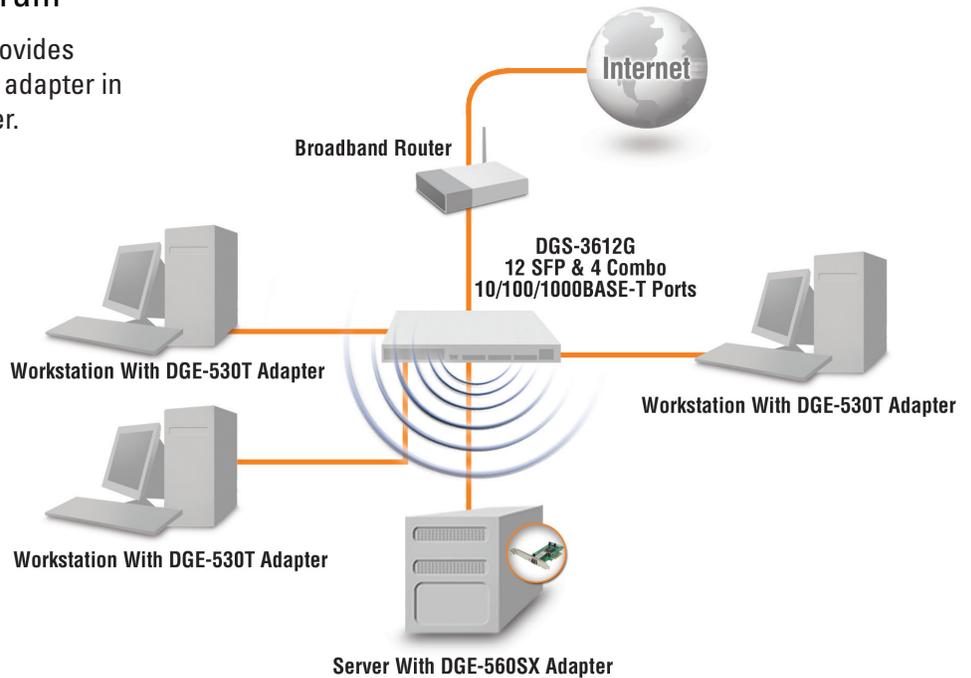
Technical Specifications

Standards	802.3z 1000BASE-SX Gigabit PCI-E 1.0a interface with 2.5 GHz signaling 802.3x Flow Control
Power Requirement	Universal Bus 3.3 V
Data Transfer Rate	Gigabit
Network Operation Mode	Full Duplex (2000 Mbps)
Network Media & Transmission Range	62.5/125 micron multi-mode fiber cable: transmission distance of up to 275 m 50/125 micron multi-mode fiber cable: transmission distance of up to 550 m
Network Interface Connector	850 nm LC fiber-optical connector
Installable PCI Slot	PCI Express x4/x8/x16
Supported Functions	9 KB Jumbo Frame 802.1p Priority Queue QoS 802.1Q VLAN security, 64 groups ACPI 2.0 Power Management Simple Network Management Protocol Agent, SNMP v1
Driver Support	Microsoft Windows Server 2008 (32-bit / 64-bit) Microsoft Windows 7 (32-bit / 64-bit) Microsoft Windows Vista (32-bit / 64-bit) Microsoft Windows Server 2003 (32-bit / 64-bit) Microsoft Windows XP (32-bit / 64-bit) Microsoft Windows 2000 Linux for Kernel 2.4.x, 2.6.x
Diagnostic LED	Link/Activity
Dimensions	113 x 59.2 mm (4.45 x 2.33 inches)
Operating Temperature	0 to 40 °C (32 to 104 °F)
Storage Temperature	-25 to 55 °C (-13 to 131 °F)
Humidity	5% to 90% non-condensing
EMC & Safety	FCC Class B, ICES-003 CE VCCI BSMI C-Tick



Auto-Run Installation Program

The Auto-Run Installation Program provides single-step installation of the DGE-560SX adapter in a Windows-based network server.



Connecting the Server in the Network



D-Link Corporation
No. 289 Xinhua 3rd Road, Neihu, Taipei 114, Taiwan
Specifications are subject to change without notice.
D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries.
All other trademarks belong to their respective owners.
©2011 D-Link Corporation. All rights reserved.
Release 02 (April 2011)