Fiber Gigabit PCI Express x4 Adapter
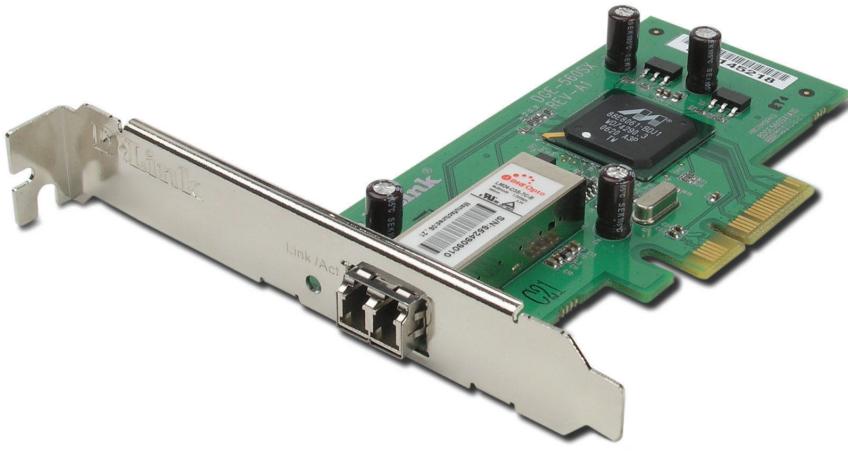
High-Performance Hardware

+ 802.3z 1000BASE-SX Standard
+ Up to 550 Meters' Multi-Mode Fiber Cable Distance
+ PCI-E 1.0a Interface With 2.5GHz Signaling
+ 802.3x Flow Control and Full-Duplex Operation
+ Laser Eye Safety Certified
+ Hot-Swappable

Advanced Functions

+ 9K Bytes Jumbo Frame
+ 802.1p Priority Queue QoS
+ 802.1Q VLAN Security
+ Promiscuous Mode
+ ACPI 2.0 Power Management
+ Simple Network Management Protocol Agent for Integration in SNMP Management
+ D-Link Network Control Program for Advanced Feature Setting

The D-Link DGE-560SX Fiber Gigabit PCI Express x4 Adapter is a high-performance network card that let businesses take advantage of the PCI Express (PCIe) slots of their servers to enhance network performance with fiber-optic connectivity. The adapter's dedicated input/output (I/O) bandwidth PCIe 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 2Gbps 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 and system area networks (SAN). As the successor to the PCI and PCI-X interfaces, PCI Express bus architecture host serial bus 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 speed up to 2000Mbps (full-duplex) on the fiber-optic cable, the DGE-560SX adapter brings ample bandwidth to a server up to 550 meters away.

It offloads the host operating system overhead by providing on-board verification of IP header and TCP/UDP checksum for data received, in turn freeing 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 such as voice and video.

Advanced Functions

The DGE-560SX supports other advanced features such as Jumbo Frame of up to 9KB 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 SNMP agent for management under 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.
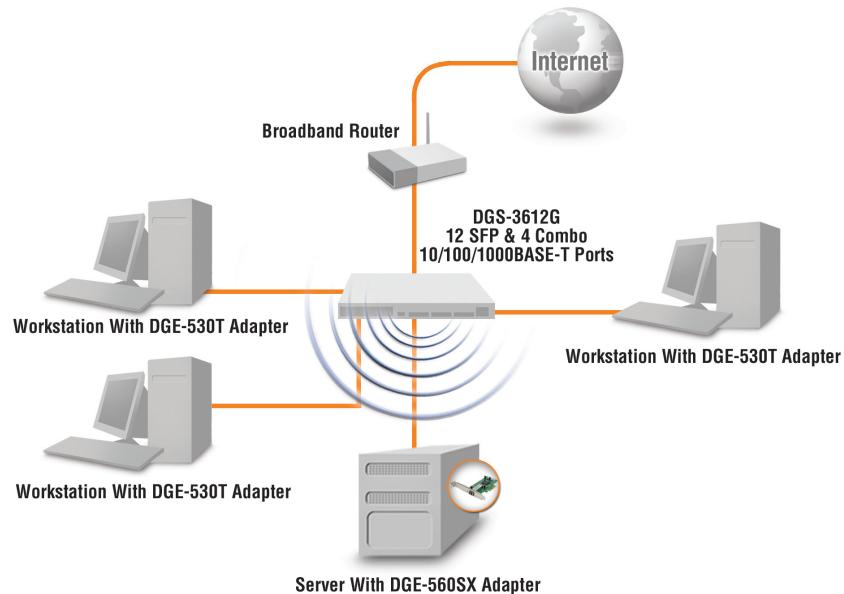
Fiber Gigabit PCI Express x4 Adapter

Technical Specifications

Standards	+802.3z 1000BASE-SX Gigabit Standard +PCI-E 1.0a Interface With 2.5GHz Signaling +802.3x Flow Control
Power Requirement	Universal Bus 3.3V
Data Transfer Rate	Gigabit
Network Operation Mode	Full Duplex (2000Mbps)
Network Media & Transmission Range	+ 62.5/125 micron multi-mode fiber cable: up to 75 meters' distance + 50/125 micron multi-mode fiber cable: up to 550 meters' distance
Network Interface Connector	850nm LC fiber-optical connector
Installable PCI Slot	PCI Express x4/x8/x16
Supported Functions	+9K Bytes Jumbo Frame +802.1p Priority Queue QoS +802.1Q VLAN security +Promiscuous mode +ACPI 2.0 Wake on LAN Power Management +Simple Network Management Protocol Agent
Driver Support	+Microsoft Windows 2000, 2000 server +Microsoft Windows 2003 server +Microsoft Windows 2003 x64 Edition +Microsoft Windows XP +Microsoft Windows XP x64 Edition +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˚ C to 40˚ C (32˚ F to 104˚ F)
Storage Temperature	-25˚ C to 55˚ C (-13˚ F to 131˚ F)
Humidity	5% to 90% non-condensing
EMC & Safety	+FCC Class B, ICES-003 +CE +VCCI +BSMI +C-Tick +Eye-viewing safety: Laser Class I EN60825-1 standard

D-Link®

DGE-560SX

D-Link
Building Networks for People

DGE-560SX
GigaExpress Network™
1000Mbps
PCI-Express
Gigabit Fiber
Desktop Adapter

This Installer will guide you through the installation process. You are only moments away from using your new D-Link Networking Product.

Thank You for Purchasing Your D-Link Product

▶ Install Driver
▶ Install D-Link Network Control Program
▶ Install SNMP Agent
▶ View Quick Installation Guide
▶ View Manual   View SNMP Manual
▶ Install Acrobat Reader
▶ Visit Your Local D-Link Support

EXIT ▶

Auto-Run Installation Program

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

Internet

Broadband Router

DGS-3612G
12 SFP & 4 Combo
10/100/1000BASE-T Ports

Workstation With DGE-530T Adapter

Workstation With DGE-530T Adapter

Workstation With DGE-530T Adapter

Server With DGE-560SX Adapter

Connecting the Server in the Network

CE FC VCI

ACN 052 202 838

BUSINESS