D-Link®
Building Networks for People

DGE-560T

PCI Express Gigabit Ethernet Adapter

Features

High-Performance:
- PCI-Express Interface
- Plug-and-Play
- Auto-Negotiation
- 10/100/1000 Mbps

Advanced Standards Based Enterprise Features:
- 802.1p Priority Tagging
- 802.1Q VLAN Tagging
- 802.3x Flow Control
- Jumbo Frame Support (up to 9K bytes)
- SNMP Statistics
- ACPI 2.0
- Wake-on-LAN
- TCP, UDP, IP Checksum Offload, and Segmentation, Task-offload

The D-Link DGE-560T PCI Express Gigabit Ethernet Adapter is a high performance adapter designed for the high-speed PCI Express Bus Architecture. The PCI Express Gigabit Ethernet Adapter offers increased bandwidth, reliability, and more functionality than standard PCI network cards. It is specifically designed to allow throughput at rates up to 2 Gbps, thus eliminating the bottleneck that exists with current 32 and 64 bit PCI bus architectures.

Advanced Features and Security

The card features onboard screening of 802.1Q VLAN Tagged Ethernet frames, allowing you to assign multiple subnets to each server and isolate devices within each VLAN from the rest of the network for better traffic control and security. It also supports 802.1p Priority Tagging to allow you to prioritize traffic. Best of all, with the DGE-560T's "Hot-Plug" support, a replacement card can be installed without ever having to power down your system. The DGE-560T also supports TCP, UDP, and IP Checksum Calculation as well as TCP Segmentation to improve overall system performance by shifting CPU-intensive tasks away from your host CPU, and onto the DGE-560T card itself. With support for advanced features such as 802.3x flow control, Jumbo Frames, and SNMP for network management, the DGE-560T can interoperate with your current networking equipment easily.
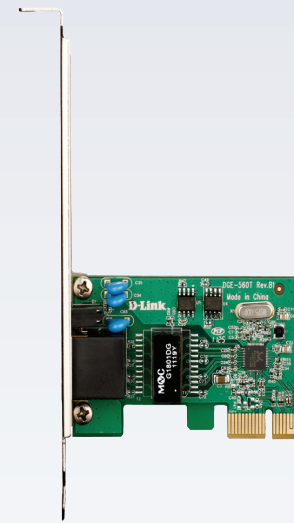
Remote Management

The DGE-560T includes many additional advanced features such as Advanced Power Management and Wake-on-LAN support. It also supports remote network boot using both PXE and RPL, allowing the network administrator to boot the PC from anywhere on the network.

Power-saving Capability

The DGE-560T is designed to save power in your network. It complies with IEEE 802.3az Energy Efficient Ethernet, by which it automatically lowers power consumption when traffic is low.

Technical Specifications

General

Standards	• IEEE802.3, 802.3u, 802.3ab • 802.3x Flow Control	• IEEE 802.3az Energy Efficient Ethernet • PCI Express v. 1.1
Power	• 3.3 V • Maximum Power Consumption: 0.72 Watts	
Data Transfer Rate	• Gigabit	
Network Operation Mode	• Full Duplex (2000 Mbps)	
Installable Slot	• PCI Express x1	
Supported Functions	• 9 KB Jumbo Frame • 802.1p Priority Encoding • 802.1Q VLAN Tagging • Wake on LAN	• Remote Boot (PXE/RPL) • Simple Network Management Protocol Agent • Diagnostics Utility

Functionality

Driver Support	• Microsoft Windows 7 32/ 64bit • Microsoft Windows Vista 32/ 64bit • Microsoft Windows XP 32/64 bit • Microsoft Windows 2000 • Linux for Kernel 2.4.x , 2.6.x	• Free BSD 7.x and 8.0 • NDIS2 for DOS • Novell client for DOS (ODI Client) • Novell server driver (Support OS 5.X and 6.X) • Mac OS 10.4, 10.5, 10.6 (x86-based Mac computer)
Diagnostic LED	• Link/Activity	• 1000 M

Physical

Dimensions	• 65 x 40 x 12 mm (2.56 x 1.57 x 0.47 inches)	
Temperature	• Operating: 0 to 40 ℃ (32 to 104 °F)	• Storage: -40 to 70 ℃ (-40 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	
Certifications	• CE • FCC	• IC • BSMI

Order Information

Part Number	Description
DGE-560T	PCI Express Gigabit Ethernet Adapter

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