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Building Networks for People

Product Highlights
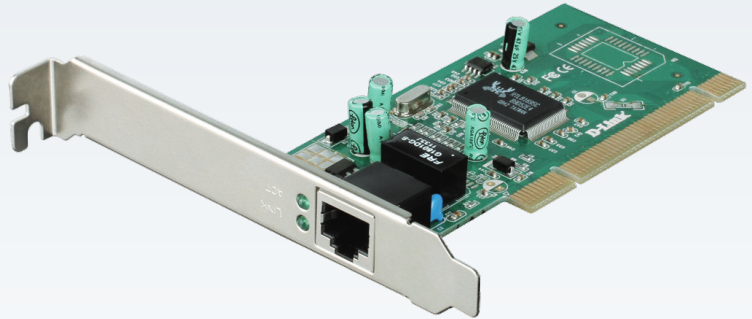
Upgrade to Gigabit

Enjoy lightning-fast data rates of up to 2 Gbps with a simple, economical upgrade

Saves Power Automatically

Consumes less energy by automatically lowering power consumption when traffic is low

Remote Bootup

Support for ACPI 2.0 Wake-on-LAN allows you to boot your PC remotely for convenient access and management

DGE-528T
PCI Gigabit Ethernet Adapter

Features

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

Advanced Standards Based Enterprise Features:
- IEEE 802.1p Priority Tagging
- IEEE 802.1Q VLAN Tagging
- IEEE 802.3x Flow Control
- Jumbo Frame Support (up to 7K bytes)
- ACPI 2.0 WOL Power Management

The D-Link DGE-528T PCI Gigabit Ethernet Adapter is a high performance adapter that adds high-speed gigabit connectivity to any PC with an available PCI slot. It is specifically designed to allow throughput at rates up to 2 Gbps in an economical upgrade.

Advanced Features and Security

The DGE-528T 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. Support for TCP, UDP, and IP checksum calculation as well as TCP Segmentation improves overall system performance by shifting CPU-intensive tasks away from the host CPU and onto the DGE-528T itself. Support for advanced features such as 802.3x flow control and Jumbo Frames for network management ensures interoperability with your current networking equipment.

Remote Management

The DGE-528T includes 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 network administrators to boot the PC from anywhere on the network.

Versatility

The DGE-528T supports all major operating systems, guaranteeing compatibility with existing workstation and desktop environments. Its half-height form factor allows it to be used in low-profile cases for compact PCs. The card also has a diagnostic utility tool, simplifying troubleshooting.

Technical Specifications

General

Standards	• IEEE 802.3, 802.3u, 802.3ab • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control	• PCI local bus 2.3 • Universal Bus Support 3.3 V / 5 V
Topology	• Star	

Data Transfer Rate	• Gigabit Ethernet:
	  • Up to 2000 Mbps full duplex
	• Fast Ethernet
	  • 100 Mbps half duplex
	  • 200 Mbps full duplex
		• Ethernet:
		  • 10 Mbps half duplex
		  • 20 Mbps full duplex

Interface	• PCI	• Half-height card suitable for low-profile cases
Supported Functions	• 7 KB Jumbo Frames • IEEE 802.1p Priority Queues • IEEE 802.1Q VLAN Tagging	• Wake on LAN • Diagnostics Utility

Functionality

OS Support	• Microsoft Windows XP/Vista/7/8/8.1/10 • Microsoft Windows Server 2000/2003/2008/2012 • Linux for Kernel 2.4/2.6/3.16 • Free BSD • NDIS 2 for DOS	• Novell client for DOS • Novell client for server 5.x/6.x • Mac OS X 10.2/10.3/10.4
Diagnostic LEDs	• 10/100/1000 Link	• 10/100/1000 Activity

Physical

Dimensions	• 121 x 114.7 x 19 mm (4.76 x 4.52 x 0.75 inches)	
Weight	• 46.6 grams (1.64 ounces)	
Power Consumption	• 2.236 W maximum	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -25 to 55 °C (-13 to 131 °F)
Humidity	• Operating: 5% to 90% non-condensing	• Storage: 5% to 90% non-condensing
Certifications	• CE	• FCC

Order Information

Part Number	Description
DGE-528T	PCI Gigabit Ethernet Adapter

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