D-Link Building Networks for People..

Gigabit Adapter

DGE-530T
High Performance, Low profile Gigabit Network Card
32bit 10/100/1000 Mbps PCI Adapter

The D-Link DGE-530T is a 10/100/1000 Mbps copper Gigabit PCI card for servers and workstations. Current systems running at 10Mbps and 100Mpbs can be upgraded to Gigabit Ethernet, eliminating network bottlenecks, and increasing productivity. Integrate Gigabit now and you can save time, money and downtime because the DGE-530T will automatically detect and run at higher speeds when it becomes available.

Features:-

- Copper Gigabit connection for PC

- 10/100/1000Mbps auto-sensing speeds

- 2000Mbps Gigabit full duplex support

- 32-bit Bus Master operation

- Supports PCI clock speed at 33MHz

- 802.3x Flow Control for fast, reliable data transmission

- Supports ACPI 2.0 WOL power management

- Supports SNMP v.1

- Supports 802.1Q VLAN Tagging *

- PCI 2.2 plug-and-play

- Universal bus 3.3V & 5V support

- Runs Win98 SE, 2000, ME, NT, XP, NetWare, Linux, Unix

- Very small size, very low power consumption

- Available in next version.

Very small form factor: lightweight, small size makes it easy to keep in inventory, cheaper to ship Single chip solution: reduced component counts, better reliability
Very cost effective solution for copper Gigabit Brings Gigabit speed to workstation: Cat 5 copper wires, no need to install fiber cable, very low-cost adapter

Technical Specifications:-
General
Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation
- PCI local bus 2.2 specifications
- Universal Bus Support 3.3V, 5V
- IEEE 802.3x Flow Control
- IEEE 802.1Q VLAN tagging*

Topology

- Star

Protocol

- CSMA/CD

Data Transfer Rates

- Ethernet:
  10Mbps (half duplex)
  20Mbps (full duplex)

- Fast Ethernet:
  100Mbps (half duplex)
  200Mbps (full duplex)

- Gigabit Ethernet:
  2000Mbps (full duplex)

Network Cables

- 10BASE-T:
  UTP Cat. 3, 4, 5 (100 m max.)
  EIA/TIA-586 100-ohm STP (100 m max.)

- 100BASE-TX, 1000BASE-T:
  UTP Cat. 5 (100 m max.)

EIA/TIA-568 100-ohm STP (100 m max.)

Diagnostic LED Report

- Link/Active

- Full duplex

- 1000Mbps

- 100Mbps

Flow Control

- IEEE 802.3x flow control per for full duplex

- Back pressure in half duplex

System Setup
IRQ

- Allocated by system

I/O Address

- Allocated by system

Full/half Duplex

- Full duplex only (1000Mbps)

- Full/half duplex (10/100Mbps)

Environmental & Physical
Operating Temperature

- 0^0 to 40^0 C

Storage Temperature

- -25^0 to 55^0 C

Humidity

- 5% to 99% Non-condensing

Emission

- FCC Class B

- CE Class B

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- VCCI Class B *

- C-Tick

- BSMI Class B

Network O.S. Support

- Microsoft Windows NT, 2000, 98SE/ME, XP

- Novell Netware 4.2, 5.x, 6.x, ODI 3.0

- Red Hat Linux 7.3 (kernel 2.4.18 - 3) and later

- Linux 2.0, 2.2 *

- SCO UnixWare 7.0 *

- SCO Openserver 5.05 *

- * Available in next version

Ordering Information

DGE-530T - 32bit/33mhz 10/100/1000 Mbps, Managed, PCI Network Adapter includes standard low profile brackets.