D-Link®

Product Specification

DGS-1008T

High Performance Unmanaged Layer-2 Gigabit Switch

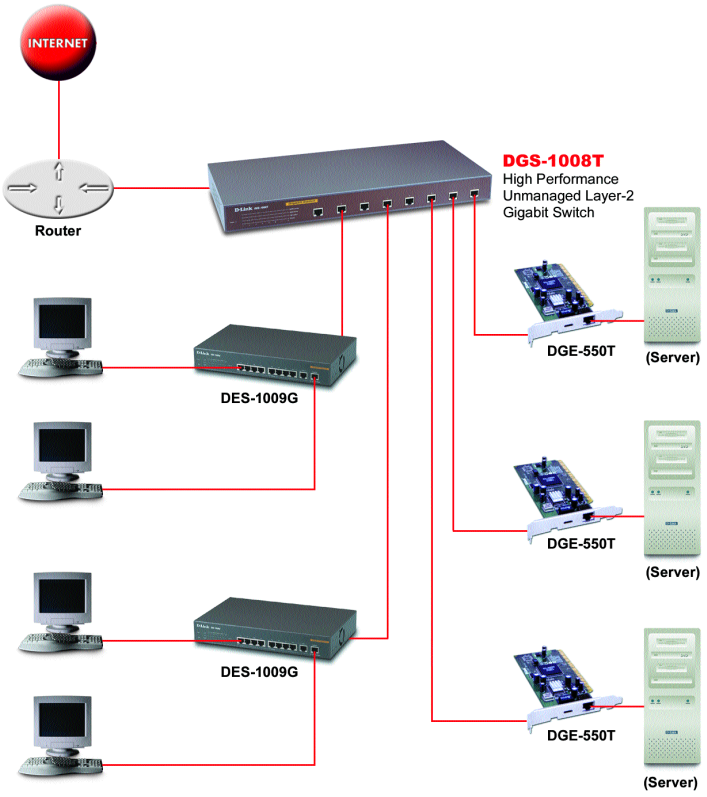
Provides Users with 8-ports Capable of Auto Sensing Speeds at 10/100/1000Mbps

The DGS-1008T is a high performance unmanaged layer-2 gigabit switch that provides users with 8-ports capable of auto sensing speeds at 10/100/1000Mbps. Designed as a seamless migration of Ethernet and Fast Ethernet networks, the DGS-1008T interconnects faster response times at gigabit speeds. By creating a variety of network segments, System Administrators can utilize the DGS-1008T gigabit switch, supporting increased data throughput for mission critical applications such as: CAD Systems, Video Streaming, Voice over IP (VoIP), and Multicast Video Conferencing. This type of implementation leverages your existing network infrastructure in connecting to an Edge or Backbone Switch for network expansion.

The DGS-1008T complies with IEEE 802.3 10BASE-T, 802.3u 100BASE-TX, 802.3ab 1000BASE-Tand 802.3x flow control. The DGS-1008T 8-ports, is equipped to auto-negotiate speeds at 10Mbps, 100Mbps and 1000Mbps.

The DGS-1008T architecture supports Store-and-forward switching capability, which receives the complete packet before transmission, reducing dropped packets. This switching scheme improves network performance in packets not having to be resent. The integrated engine lookup supports 8K of absolute MAC addresses with 320K Bytes of data buffering. As a high performance switch, the DGS-1008T forwards packets at wire speeds.

DGS-1008T was designed as a seamless migration of Ethernet and Fast Ethernet networks.



DGS-1008T interconnects faster response times at gigabit speeds.

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Technical Specifications	
Standards	● IEEE 802.3ab 1000BASE-T ● IEEE 802.3u 100BASE-TX ● IEEE 803.3 10BASE-T
Protocol	CSMA/CD
Data Transfer Rate	● Ethernet 10Mbps (Half-Duplex), 20Mbps (Full-Duplex) ● Fast Ethernet 100Mbps (Half-Duplex), 200Mbps (Full-Duplex) ● Gigabit 2000Mbps (Full-Duplex)
Number of Ports	8-10/100/1000Mbps Auto-Negotiation Ports
Physical and Environments	
AC Inputs	100-240 VAC Universal, 50/60 Hz
Power Consumption	22 Watts Maximum
Operating Temperature	0 ~ 50 Degrees Celsius
Storage Temperature	-10 ~ 55 degree Celsius
Humidity	5% ~ 95% RH, Non-Condensing
Performance Transmission Method	Store-and-Forward
RAM Buffer	320K Bytes Per Device
Filtering Address Table	8K MAC Address Per Device
Packet Filtering/Forward Rate	Full Wire Speed
Mac Address Learning	Self-Learning, Auto-Aging
EMI	● FCC Class A ● CE Mark Class A ● VCCI Class A
Safety	CUL, TUV/GS