

DES-1009G

8-Port 10/100 Mbps Ethernet Switch with Gigabit Uplink

High Performance Tri-Speed Workgroup IEEE Standard Compliant Switch

The DES-1009G is a Gigabit Switch with eight 10/100 Mbps NWay Ethernet ports and one 1000 Mbps Gigabit Ethernet port. The DES-1009G provides a workgroup solution helping to increase network throughput for increased server to client response. The DES-1009G is targeted at small to medium corporate business environments.

The DES-1009G strictly adheres to IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, and IEEE 802.3z 1000BASE-TX standards. It utilizes the same packet structure format support for the CSMA/CD protocol. In addition, the DES-1009G supports full duplex and flow control. The DES-1009G delivers high-speed 10/100 Mbps Fast Ethernet switching and maximum flexibility by providing dynamic auto-sensing capabilities for 10/100/1000Mb Ethernet segments and workstations.

The DES-1009G utilizes a store and forward switching scheme to support rate adaptation and protocol conversion. The DES-1009G supports non-blocking full wire speed data forwarding and filtering rate capabilities for each port. The DES-1009G also has built-in NWay auto-negotiation ports, which automatically identify and determine the correct transmission speed and duplex mode of the attached device.

The DES-1009G provides dynamic filtering through auto-learned MAC addresses and static filtering. In addition, The DES-1009G comes with a 4096 active MAC address entry table and hashing algorithm on address learning per device. The DES-1009G enables auto-aging capabilities and collision backpressure. The DES-1009G supports buffering allocation of 512 bytes each to optimize the performance on mixed network speeds.

Finally, the DES-1009G can help to protect a LAN from broadcast storms through rate filtering, which can control broadcast data and prevent unnecessary absorption of network bandwidth to keep the network speed constant. The DES-1009G provides 3 LEDs per port to connection speed, port status, and network activity. Additional switch LED, report real-time HTTP, ICQ and SMTP traffic.



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Technical Specifications

Standards	<ul style="list-style-type: none">● 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● IEEE 802.3x Full Duplex Flow Control
Protocol	CSMA/CD
Network Data Transfer Rate	<ul style="list-style-type: none">● Ethernet 10 Mbps (half-duplex) 20Mbps (full-duplex)● Fast Ethernet 100 (half-duplex) 200Mbps(full-duplex)● Gigabit 1000Mbps (full-duplex) 2000Mbps (full-duplex)
Topology	Star
Number of Ports	<ul style="list-style-type: none">● 8 x 10/100Mbps NWay Ethernet MDI-X port● 1 x MDI-II 10/100Mbps NWay Shared Uplink port● 1 x 10/100/1000Mbps NWay Gigabit Ethernet Auto-MDI port
AC inputs	100-240 VAC, 50/60 Hz (Internal power supply)
Power consumption	30 watts maximum
Operating Temperature	-100° ~ 50Y Celsius
Storage Temperature	-10° ~ 70Y Celsius
Humidity	5% ~ 95% RH, non-condensing
Dimensions	280 mm x 180 mm x 44 mm
EMI	<ul style="list-style-type: none">● FCC Class B● CE Mark Class B● VCCI Class B
Safety	<ul style="list-style-type: none">● UL (UL 1950)● TUV/GS (EN60950)
* Specifications are subject to change without notice.	