



8Ports Gigabit Switch FXG-08TX

Flow Control

Store&Forward

AutoNegotiation

Fan-less

AC Adapter

LED

▶ Feature

The eight 1000Mbps gigabit ports on the FXG-08TX eliminate bottlenecks at servers and backbone connections with heavy traffic to provide a fast and highly accessible network environment. The on-board gigabit ports easily accommodate high speed broadband services such as FTTH and ADSL, and the product comes in a very affordable price for home users.

■ Provides Gigabit connectivity on all ports

All of the eight ports on the product fully support 1000Mbps connectivity. In a business environment that requires a sophisticated information processing capability, the FXG-08TX is indeed an ideal switch solution for network backbones that handle large volumes of data and multimedia data.

■ Auto MDI/MDI-X enabled on all ports

Since all ports on the switch support Auto MDI/MDI-X and thus automatically detect the crossover/straight cable type of the attached cable, the product prevents cabling problems caused by straight/crossover mismatch between the switch and another device.

■ High communication efficiency achieved via Flow Control

The product uses the Flow Control (IEEE802.3x in full duplex mode, Back Pressure in half duplex mode) to prevent packet overflow, a problematic state in which packets received and transmitted in excess of buffer memory capacity are dropped. In this manner, the switch helps bring high reliability and communication efficiency to your network.

■ Store-and-Forward blocks error packets

The switch first stores received data frames in a buffer memory, and then uses FCS (Frame Check Sequence) at the end of the frames to check for errors (thus called "Store and Forward"). Since frames with errors are removed within the switch, this scheme prevents the generation of unwanted network traffic.

■ Supports Auto-Negotiation

Its built-in Auto-Negotiation function automatically detects the best data transfer rate and transfer mode (Full/Half Duplex) for the communication between the switch and the target device.

■ The metal body facilitates heat dissipation

The product's metal chassis enables easy heat dissipation, and its fan-less "silent" design simply eliminates the fan noise problem.

► Specification

Product Model Number	FXG-08TX
Access Method	CSMA/CD 10/100/1000Mbps
Standards Conformance	IEEE802.3ab: 1000BASE-T IEEE802.3u: 100BASE-TX IEEE802.3: 10BASE-T IEEE802.3x: Flow Control
Supported Media	UTP/STP Cable 10Mbps: Category 3 or greater 100Mbps: Category 5 or greater 1000Mbps: Enhanced Category 5 or greater
Port Configuration	10/100/1000BASE-T(RJ-45) x 8 ports * All ports support Auto MDI/MDI-X
Data Transfer Rate/Mode	10Mbps/100Mbps/1000Mbps(Full/Half Duplex) automatically detected via Auto-Negotiation
Internal Bus Speed	16Gbps
Buffer Memory	256KB
MAC Address Capacity	8000(entire switch/ all ports)
Network Bridging	Filtering, Forwarding, Address-Learning
Forwarding Rate	For each port 10M:14,881pps 100M:148,810pps 1000M:1,488,100pps
Flow Control	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
Switching Scheme	Store-and-Forward
Power Input	DC12V/1.5A
Input Voltage	AC100V 50/60Hz
Power Consumption	13.2W max.
Operating Temperature	0 to 40 degrees Celsius
Operating Humidity	35 to 85 % (non-condensing)
Dimensions	235(W) x 25(H) x 101(D)mm

Weight	950g
LED Indicators	Power, FDX/Col.,10M/Act,100M,1000M
EMI	CE, FCC Class B, VCCI Class B
Package Contents	FXG-08TX, compact AC adapter, rubber footpad x 4, User's Manual

▼ Product view

