

FXG-16TX 16Ports Gigabit Switch



▶ Feature

The FXG-16TX provides 16 ports supporting 1000Mbps broadband connectivity. Its wire-speed switching eliminates bottlenecks that build up on heavy traffic servers and backbone connections, offering a truly comfortable and speedy networking environment. The product also supports high-speed broadband networking like FTTH and ADSL, while its affordable price makes it the product of choice for in-home network users.

■ Offers 16 Gigabit ports

All of the 16 ports support 1000Mbps connectivity. This makes the switch an ideal backbone solution for business-oriented networks that require advanced data processing to handle high volume data and multimedia data.

■ All ports support Auto MDI/MDI-X

All ports support Auto MDI/MDIX, a built-in function that automatically recognizes the type (straight/crossover) of the attached cable. This feature effectively removes all wiring troubles caused by a cable type mismatch.

■ Higher Network Efficiency Achieved via Flow Control

The FXG-16TX supports Flow Control (Full Duplex: IEEE802.3x, Half Duplex: Back Pressure), which prevents packet losses caused by mismatches between the sending and the receiving speeds (bandwidth). The switch utilizes this technology to allow the establishment of a highly efficient and reliable networking environment.

■ Store-and-Forward Blocks Error Packets

The product utilizes Store-and-Forward technology, which blocks erroneous packet frames within the switch itself. Received data frames are first stored in the buffer memory and checked with Frame Check Sequence (FCS) for errors. Only error-free packets are forwarded and enter the network.

■ Supports Autonegotiation

The 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.

■ Metal body facilitates heat dissipation

The product's metal chassis allows easy heat dissipation.

■ 1U size compact chassis, 19-inch rack-mount kit included

The compact size of the FXG-16TX (44mm high) lets you easily mount it on a 19-inch rack-mount included in the package.

► Specification

Model Number	FXG-16TX
Access Method	CSMA/CD 10/100/1000Mbps
Supported Standards	IEEE802.3ab 1000BASE-T IEEE802.3u 100Base-TX IEEE802.3 10Base-T IEEE802.3x Flow Control
Supported Media	UTP/STP Cable 1000Mbps: Enhanced Category 5 or greater 100Mbps: Category 5 or greater 10Mbps: Category 3 or greater
Number of Ports	10/100/1000BASE-T x 16 ports (All ports support Auto MDI/MDI-X) RJ-45 connector
Data Transfer Rate	10Mbps/100Mbps/1000Mbps(Full/Half Duplex) Automatically detected via Autonegotiation
MAC Address	4000 entries
Internal Bus Speed	32Gbps
Network Bridging	Filtering, Forwarding, Address Learning
LED	Power, FDX/Col, 10M/Act, 100M/1000M
Packet Buffer Memory	2Mb
Transfer Mode	Store-and-Forward
Packet Transfer/Filtering Rate (64byte)	For each port 10M:14,881pps 100M:148,810pps 1000M:1,488,100pps
Flow Control	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
Power Input	Internal power supply (power cable included) AC100-240V 50/60Hz
Power Consumption	75W Max
Operating Temperature	0-40 degrees Celcius
Operating Humidity	10 to 90% (Non-condensing)
Dimensions	330(W) x 43.2(H) x 230(L) mm
Weight	2.6kg

EMI	FCC Class A, VCCI Class A
Package Contents	FXG-16TX, Power cable, Rack-mount kit, Rubber footpads