

## FXG-0224TX 24Ports Gigabit Switch



### ▶ Feature

The twenty-four 1000Mbps gigabit ports on the FXG-0224TX eliminate bottlenecks at servers and backbone connections with heavy traffic, providing a fast and highly accessible network environment. Its two on-board MiniGBIC combo ports support 1000BASE-SX/LX (separate option modules required).

#### ■ Provides Gigabit connectivity on all ports

All of the 24 ports on the product fully support 1000Mbps connectivity. In a business environment that requires advanced information processing capability, the FXG-0224TX serves as 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, they automatically detect the crossover/straight cable type of the attached cable and thus prevents cabling problems caused by straight/crossover mismatch between the switch and another device.

#### ■ On-board combo ports support Mini GBIC

Two ports of the twenty-four on-board 1000BASE-T ports serve as combo ports for Mini GBIC slot. A combo port consists of a 1000BASE-T(RJ-45) port and a Mini GBIC slot. When used with an option GBIC module (sold separately), the switch allows its user to implement an optic fiber-based gigabit communication environment.

#### ■ High communication efficiency achieved via Flow Control

The product utilizes the Flow Control technology (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 incoming 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.

#### ■ Slim 1U chassis supports 19" rack

Since the height of the chassis is just 1U, the product can be installed in any standard 19-inch rack by using the supplied rack-mount kit.

► Specification

<b>Model Number</b>	<b>FXG-0224TX</b>
<b>Access Method</b>	CSMA/CD 10/100/1000Mbps
<b>Supported Standards</b>	IEEE802.3ab 1000BASE-T IEEE802.3u 100Base-TX IEEE802.3 10Base-T IEEE802.3z 1000BASE-SX/LX (requires an option MiniGBIC module that is sold separately) IEEE802.3x Flow Control
<b>Supported Media</b>	UTP/STP Cable 1000Mbps: Enhanced Category 5 or greater 100Mbps: Category 5 or greater 10Mbps: Category 3 or greater
<b>Number of Ports</b>	10/100/1000BASE-T(RJ-45) x 24 ports *(Auto-negotiation, AutoMDI/MDI-X)  Mini GBIC combo port x 2 slots* Two ports out of the 24 ports may serve as MiniGBIC combo ports. (These ports do not function as RJ-45 ports while serving as MiniGBIC combo ports.)
<b>MiniGBIC Slots</b>	2 slots *Two 1000BASE-T ports serve as MiniGBIC slots
<b>MAC Address</b>	8000 entries
<b>Internal Bus Speed</b>	4.8Gbps
<b>LED</b>	Power, Speed, Link/Act
<b>Packet Buffer Memory</b>	3Mb
<b>Transfer Mode</b>	Store-and-Forward
<b>Flow Control</b>	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
<b>Power Input</b>	Internal power supply, AC100 to 240V, 50/60Hz
<b>Power Consumption</b>	32.16W Max
<b>Operating Temperature</b>	0-40 degrees Celcius
<b>Operating Humidity</b>	10 to 90% (Non-condensing)

<b>Dimensions</b>	441(W) x 44(H) x 207(L) mm
<b>Weight</b>	2.7kg
<b>EMI</b>	FCC Class A, VCCI Class A, CE
<b>Package Contents</b>	FXG-0224TX, Power cable, Rack-mount kit, Rubber footpads

▶ Option Module



1000BASE-SX(LC Connector)Mini GBIC Module 1000BASE-LX(LC Connector)Mini GBIC Module

MGBIC-SX-P

MGBIC-LX-P

▶ Connection Sample

## Ultra-fast Gigabit Ethernet eliminates bottlenecks in your network

Network performance improves significantly when the FXG-0224TX is attached to a server via 1000BASE-T. Highly cost-effective network adapters from Planex are just perfect for the gigabit LAN adapters used in the following scheme.

### FXG-0224TX Installation Example

