

16-Port 10/100Mbps Fast Ethernet Switch w/ Fiber Option

Product Overview

The LevelOne FSW-1609 Fast Ethernet Switch provides dual port copper and fiber optic connectivity with LAN networks for easy and cost-effective network expansion.

Dual Media Connectivity

The LevelOne FSW-1609 provides 16 RJ-45 ports for connecting to or setting up a Fast Ethernet LAN network. The shared Fast Ethernet Fiber Optic port allows for dual connectivity to remote located networks or network expansion.

The RJ-45 ports are auto-sensing enabled for automatic port speed selection. Also, the switch automatically recognizes usage on the fiber-optic port and will allocate resources from the shared copper port.

Optional Fiber Optic Modules

The FSW-1609 can be utilized to connect to remote servers 2km away with optional ST and SC fiber modules.

Reliable High-Speed Data Transmission

The FSW-1609 is compliant with IEEE802.3 1-Base-T, 802.3u 100Base-TX and 100Base-FX (fiber modules) for data transfers of up to 200Mbps using CSMA/CD protocols.

Utilizing store-and-forward packet-forwarding techniques the FSW-1609 stored the incoming data frames in an internal buffer where it is checked for errors before transmission, thereby preventing error packets from occurring.

The FSW-1609 is a highly efficient network switch for a reliable and stable network.



FSW-1609TFX

Key Features

- Complies with IEEE802.3 and IEEE802.3u Standards
- Full/Half-duplex for each port
- Operating at maximum packet filtering and forwarding rate
- Supports store-and-forward packet switching architecture
- 160KB buffer memory
- MAC Address table up to 8KB
- Comprehensive LED indications for port status indication
- One optional slot for Fiber optic module for network expansion (MDU-0122FXT/0123FXC)

Technical Specification

Device Specifications

Standard Compliance

- IEEE802.3u 100Base-Tx, 100Base-FX (module)
- IEEE802.3 10Base-T

Network Interface

- 16x RJ45 STP Auto-Sensing Port
- 1x Shared Fiber Optic Module Slot

Protocol

- CSMA/CD

Supported Cable

- 10Base-T: UTP category 3 or category 5 cable up to 328ft/100M
- 100Base-TX: UTP category 5 cable up to 328 ft/100M
- 100Base-FX: Multi-mode fiber-optic cable up to 6560 ft/2000M (module)

Network Data Transfer Rate

- Ethernet: 10Mbps (half-duplex), 20Mbps (full-duplex)
- Fast Ethernet: 100Mbps (half-duplex), 200Mbps (full-duplex)

Internal Specifications

Forwarding Method

- Store and Forward

Packet Forwarding Rate

- 10Base-T: 14,880pps to 10Mbps per port
- 100Base-TX/FX: 148,800pps to 100Mbps per port

MAC Address Size

- 8KB MAC address entries per device

Buffer Memory Size

- 160KB per device

Physical Characteristics

Dimensions

- 440mm x 44mm x 195mm

Temperature

- Operation Temperature: 0°C-40°C
- Storage Temperature: -20°C-70°C

Humidity

- Operation Humidity: 10% - 90% RH
- Storage Humidity: 5% to 90% RH

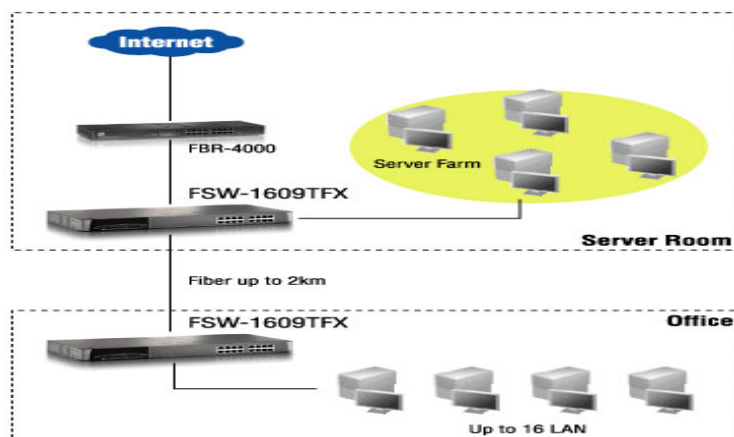
Status LEDs

- Power
- 10/100Mbps Link/Activity
- Collision/Full-duplex

Certifications

- FCC Class
- CE mark Class

Product Diagram



Order Information

FSW-1609TFX: 16-Port 10-100Mbps Fast Ethernet Switch w/ fiber Option

Optional Fiber Modules

MDU-0122FXT: 100Mbps ST Fiber Module

MDU-0123FXC: 100Mbps SC Fiber Module