Datasheet_FSW-1602TX

16-port 10/100 Mbps Compact Switch

LevelOne's FSW-1602TX Fast Ethernet Switch is a wire-speed and cost-effective networking device that provides 16 ports with 10/100 Mbps Ethernet connections. This device combines dynamic memory allocation with a store-and-forward switching method to ensure that the buffer is effectively allocated for each port. It also controls the data flow between transmit and receive nodes to guarantee against all possible packet loss. All ports support Auto-MDIX allowing uplinking to another switch straightly without cable selection hassle.

The FSW-1602TX is ideal to share bandwidth 10Mbps or 100Mbps workgroups with multiple high-speed servers. With the highest bandwidth at 200Mbps, each port can provide workstations with congestion-free data-pipes for simultaneous access to the server. Furthermore, this device is also expandable by cascading two or more switches together and provide more Ethernet connections.

This unit is small and desktop-sized specially designed to fit in space-limited locations. Users can immediately use any of the features of this product simply by attaching the cables and turning on the power. For instant error detection, the switch is equipped with a full range of LEDs to help you monitor and troubleshoot problems on your network.

FSW-1602TX

Key Features

- 16-port 10/100BASE Ethernet Switch with RJ-45 connectors
- Supports Auto-negotiation for speed and duplex modes for each port
- Supports Auto-MDI/MDI-X for each port
- Store-and-Forward switching method

- Supports 8K absolute MAC addresses
- Supports 512Kbytes RAM for data buffering
- Front-panel diagnostic LEDs
- IEEE 802.3x flow control for full-duplex
- Back pressure flow control for half-duplex

Datasheet_FSW-1602TX

Technical Specification

- **Standards Compliance**
  IEEE 802.3: 10 BASE-T
  IEEE 802.3u: 100BASE-TX
  IEEE 802.3x Flow Control for Full-Duplex

- **Ports**
  16 x 10/100 Base-TX , RJ-45 ports

- **Protocol**
  CSMA/CD

- **Cabling**
  Ethernet: UTP Cat. 3,4,5, EIA/TIA-568 100-ohm screened twisted-pair (STP)
  Fast Ethernet: UTP Cat. 5, EIA/TIA-568 100-ohm screened twisted-pair (STP)

- **Bandwidth**
  10 BASE-T: 10/20 Mbps (Half/ Full Deplex)
  100 BASE-TX: 100/200 Mbps (Half/ Full Deplex)

- **MAC Address Table**
  8K entries per device

- **Buffer**
  512 KB per device

- **LEDs**
  Per Device:1 x Power
  Per Port: 1 x Link/Act; 1x Full-Duplex/Collision; 1 x Speed

- **Power Adapter**
  7.5V/ 1A

- **Power Consumption**
  6 Watts (max)

- **Temperature**
  Operating: 0°C ~40°C
  Storage: -10°C ~70°C

- **Humidity**
  Operating: 10% ~ 90% Non-Condensing
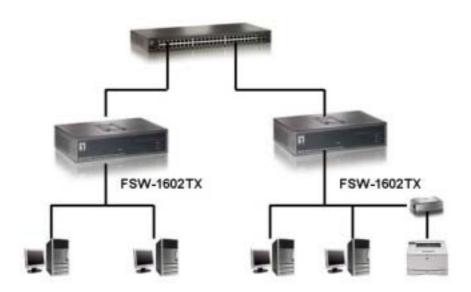 Storage: 5% ~ 90% Non-Condensing

- **Dimension**
  184mm(W) * 124mm(H) * 44mm(D)

- **EMI and Safety**
  FCC class A, CE

Product Diagram

FSW-1602TX Network Diagram

Ordering Information

- FSW-1602TX: 16-port 10/100 Mbps Compact Switch