16-Port Fast Ethernet Switch

FSW-1602TX

H/W Version: 3

The LevelOne FSW-1602TX switch provides an ideal solution for small businesses that demand a reliable network switch with a high bandwidth interface for file servers and workgroup, departments and offices.

Advanced Networking Feature

The LevelOne FSW-1602TX is a 16-Port Unmanaged Fast Ethernet Switch which provides Auto-Negotiation, Auto-MDI/MDIX and full-duplex network connectivity.

Easy to Use

The FSW-1602TX features Plug-and-Play for easy installation. No configuration is required. Auto-negotiation on each port senses the link speed of a network device and adjusts for compatibility and optimal performance.

Power Saving Features

The FSW-1602TX supports LevelOne Green Technology to save energy. With Active Link Detection, Cable Length Detection and Sleep Mode the FSW-1602TX power consumption range between 1.2W up to 5W only.

1. LEDs
2. 10/100 Mbps
3. External Power Socket

Key Features

- Provides 16 x 10/100Mbps RJ-45 Auto-negotiation ports
- Store-and-forward, non-blocking architecture
- Support Half and Full-duplex IEEE802.3x flow control
- LED indicators for network diagnostics
- Plug-and-Play, nothing to configure
- Wall-mountable compact size with external power supply
- Saves power with LevelOne Green Technology

Works well with

FNC-0109TX
10/100Mbps Ethernet Card

FSW-0811
8-Port Fast Ethernet Switch

Technical Specifications

Network Interface

Standards

IEEE802.3 10BASE-T Ethernet

IEEE802.3u 100BASE-TX Fast Ethernet

IEEE802.3x Flow Control and Back Pressure

Network Interface

16 x 10/100Mbps RJ-45 ports

Network Cables

10Base-T: 2-pait UTP/STP Cat.3/4/5, Up to 100m

100Base-TX: 2-pair UTP/STP Cat.5, Up to 100m

Data Transfer Rate

10Mbps: 14,880pps/14,880pps

100Mbps: 148,800pps/148,800pps

Switching Protocol

CSMA/CD

Switch Architecture

Store-and-Forward

Flow Control

Half Duplex: backpressure

Full Duplex: pause frame

Backplane Throughput

3.2Gbps

MAC Address Table

8K MAC Address Table

Buffer Memory

156KB

LED indicators

Power LED

Link/Act LED

Speed LED

Physical Specification

Power Adapter

7.5V/ 1A

Power Consumption

5 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(D) * 44mm (H)

EMI and Safety

FCC class A, CE

LevelOne Green

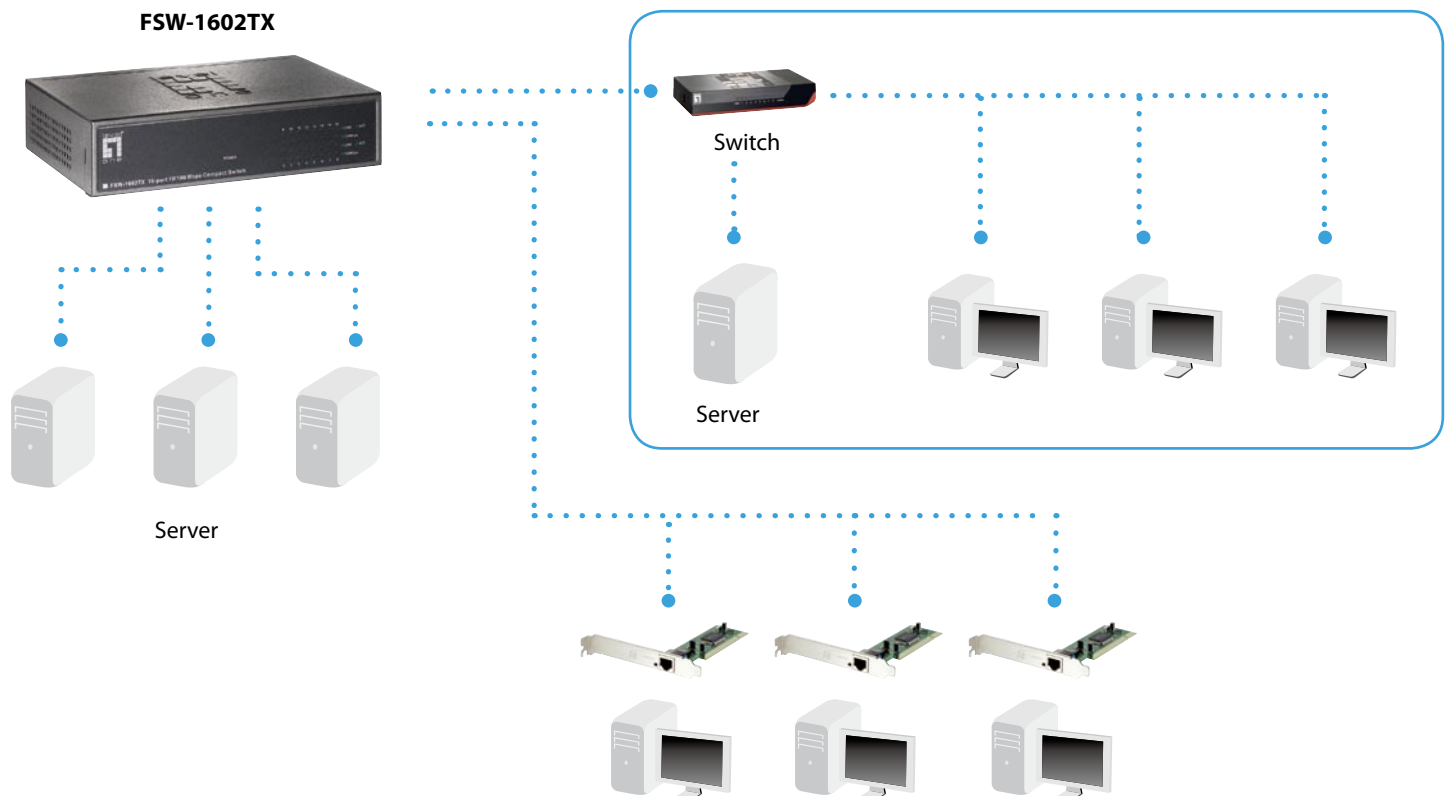**Power Consumption with 16 x 100 meters Cable Connected**
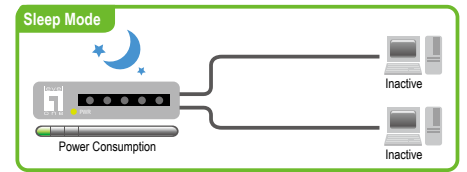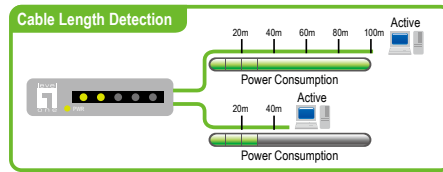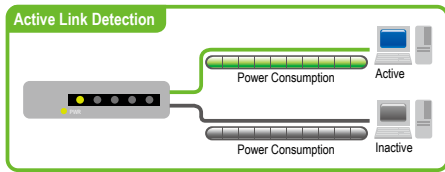
5W

FSW-1650 Base Power consumption
(No Cables are Connected)

1.2W

Product Diagram

FSW-1602TX

Server

Switch

Server

Power Saving by

Active Link Detection

Power Consumption — Active

Power Consumption — Inactive

Cable Length Detection

20m 40m 60m 80m 100m — Active

Power Consumption

20m 40m — Active

Power Consumption

Sleep Mode

Inactive

Power Consumption

Inactive

Order Information   **FSW-1602TX :** 16-Port 10/100 Mbps Fast Ethernet Switch

Package Contents   FSW-1602TX
Power Adapter
User Manual