# Datasheet_FSW-1670TX

## 8+8 POE 10/100 Mbps Web Smart Switch

**LevelOne**'s new FSW-1670TX switch is equipped with 16 10/100 Mbps ports with auto-MDI/MDIX crossover detection function. With the additional 8-port featuring POE function, the FSW-1670TX is an ideal solution for extensive WLAN, IP Phone, and IP Serveilence System deployments especially when the legacy and POE compliance devices co-exist in your network environment.

Each port of this switch can auto negotiate for maximum performance running in the full or half duplex modes. While combining power with Ethernet Techonlogy, 8 of these 16 ports automatically detect the presence of IEEE 802.3af-compliant devices and provide the capability of transferring power and data over a singel cable. Friendly web management features are ready for users easily to configure and maintain this device through a general web browser. Furthermore, the trunk function enables the switch to provide the particular bandwidth that is availble when it's needed most. In addition the port-based VLAN function provides both network security and cost-saving solutions to reduce latency and the need of an extra expensive router.

The compact 19", 1U rack-mountable design enables the switch to be easily located in a server room or computer lab in order to centralize power management and simplify network integration for various applications.
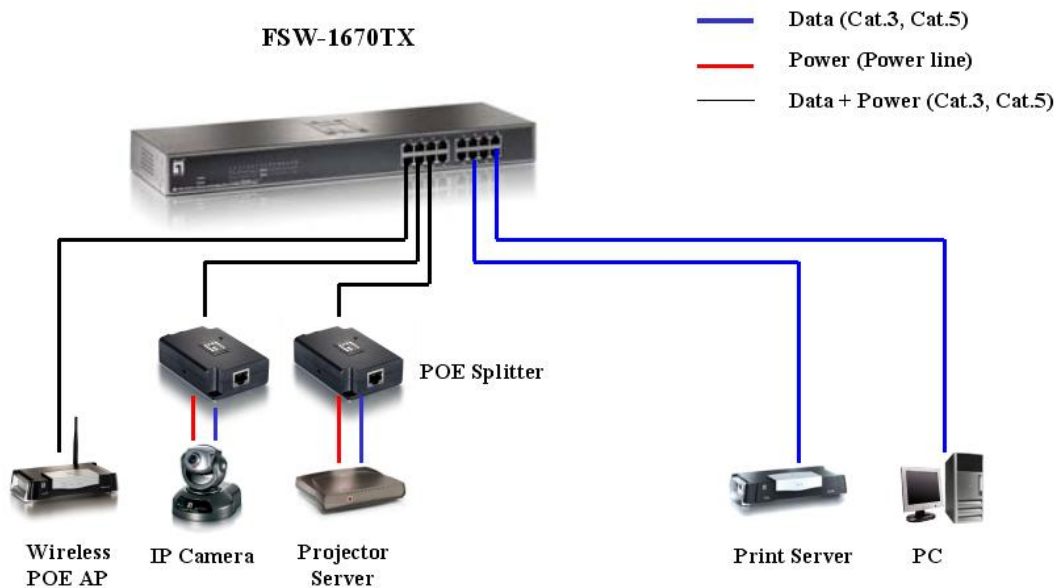
**FSW-1670TX**

## Key Features

- 16 10/100 Mbps Auto-negotiation, Auto-MDIX Ethernet ports, 8 ports supports POE function
- Auto detect PD and power consumption
- Remote power feeding up to 100 meters for POE ports
- Centralized power distribution for POE powered Device (PD)

- Supports Tag-Based VLAN
- Supports Port-Based QoS, Diffserv, Port-Based Priority
- Supports port mirroring
- Supports port setting function
- Firmware upgradeable by discovery utility
- Web-based management Interface

## Technical Specification

- **Standard**
  IEEE802.3 / IEEE802.3u
  IEEE802.3af Power Over Ethernet
- **Protocol**
  CSMA/CD
- **Topology**
  Star
- **Ethernet Interface**
  16 x RJ-45 10/100 BASE-T port
- **Number of Ports**
  8 x 10/100Mbps Auto-negotiation, Auto-MDIX PoE ports
  (port 1~port 8)
  8 x 10/100Mbps Auto-negotiation, Auto-MDIX Fast Ethernet
  ports  (port 9 ~ port 16)
- **Network Data Transfer Rate**
  Ethernet 10/20 Mbps (Half-duplex/ Full-duplex)
  Fast Ethernet 100/200 Mbps (Half-duplex/ Full-duplex)
- **Network Transport Protocols**
  TCP/IP, IPX, NetBEUI, Apple Talk, NAT
- **Packet RAM Buffers**
  512K bytes
- **MAC Address**
  4K Entries
- **LEDs**
  Per Unit: Power, System
  Per Port: Link/Activity, Speed,

- **POE Spec**
  Supports up to 15.4 W for each PoE port
  PD classification identify
  PoE over current protection
  PoE circuit sorting protection
  PoE power on RJ-45 pin 3,6 for power + and pin 1,2 for power -
- **Power Supply**
  100 - 240VAC 50/60Hz, Internal Universal Switching Power
- **Power Consumption**
  9 watts. (max no PD device connected)
  130 watts. (max with 8 x 15.4w PoE Device connected)
- **Output Voltage per PoE port**
  48 VDC
- **Temperature**
  Operating: 0℃~40℃
  Storage: -10℃~70℃
- **Humidity**
  Operating: 10% ~ 90% (RH, non-condensing)
  Storage: 5% ~ 90% (RH, non-condensing)
- **Dimension**
  440mm(W) * 140mm(H) * 44mm(D)
- **EMI and Safety**
  FCC Class A
  CE Mark Class A
  VCCI-A

## Product Diagram



FSW-1670TX

- Data (Cat.3, Cat.5)
- Power (Power line)
- Data + Power (Cat.3, Cat.5)

POE Splitter

Wireless POE AP    IP Camera    Projector Server    Print Server    PC

## Ordering Information

- FSW-1670TX: 8+8 POE 10/100 Mbps Web Smart Switch

level one