FSW-0503 Version: 1

5-Port Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs

Advanced PoE Solution

FSW-0503(Z) is a 4 Fast Ethernet PoE +1 Fast Ethernet Switch. Per PoE port is powered up to 15.4W. The total PoE power budget is 61.6W. It is an ideal solution for extensive WLAN, IP surveillance system deployments especially when the legacy and PoE compliance devices co-exist in your network environment. The switch automatically detects IEEE 802.3af compliant device connected and provides power and data over a single cable to these devices.

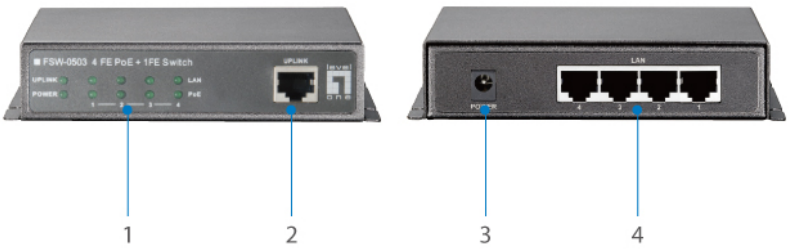
FSW-0503(Z) is compact in size, making it ideal for desktop users with limited space. You also have option of installing several FSW-0503(Z) in a 19" chassis (POC-6000) for a largescale rack-mount PoE Solution.

Stable and Reliable Network Environment

FSW-0503(Z) enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, packet error filtering and non-blocking packet forwarding. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports N-way auto-negotiation protocol that automatically detects networking speed and duplex modes.

Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.



1. LED Indicators
2. 10/100Mbps RJ-45 Uplink Port
3. External Power Socket
4. 10/100Mbps RJ-45 PoE Ports

Key Features

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission

Specifications

System Specifications

Standards & Protocols:
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.3x Full-duplex Flow Control
IEEE 802.3af Power over Ethernet (PoE)

Buffer Memory:
48KB

Connectors and Cabling:
4 x 10/100Base-TX RJ-45 PoE Ports
1 x 10/100Base-T RJ-45 Uplink Port
10Base T Cat. 3, 4, 5 UTP/STP
100Base TX Cat. 5 UTP/STP

Indicator:
Power, Uplink, LAN 1~4 port, PoE 1~4 port

Transmission Method:
Store-and-Forward

Power Input:
56VDC

Power Consumption:
< 65W (FSW-0503)
< 90W (FSW-0503W90)

Features

PoE:
Power Budget: Max. 61.6W (FSW-0503)
Max. 87W (FSW-0503W90)
PoE Standard: IEEE 802.3af Power over Ethernet / PSE
PD classification identity
PoE over current protection
PoE circuit sorting protection
PoE Power Output: Per Port 48V DC, Max. 15.4 watts (802.3af)
Power Pin Assignment: 1/2(+), 3/6(-)

Performance

MAC Address Table:
1K

Data Transfer Rate:
10/100Mbps

Packet Forwarding Rate:
100Mbps port - 148,000pps
10Mbps port - 14,880pps

Environment

Temperature (°C):
Operating: 0°C ~ 45°C
Storage: - 40°C ~ 70°C

Humidity (Non-condensing):
Storage: 10% ~ 90%
Operating: 10% ~ 90%

Physical Specifications

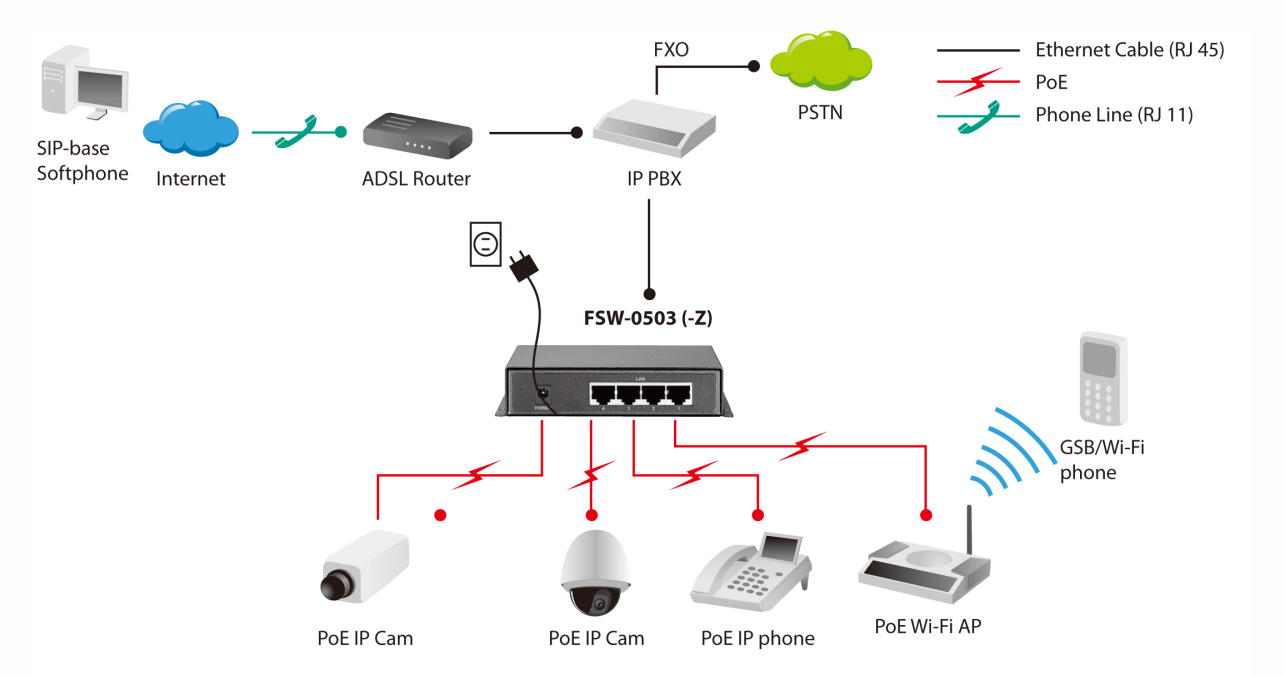
Dimensions (W x D x H mm):
90 x 120 x 28 mm

Weight (g):
800 g

Approval and Compliance

EMI/EMS:
FCC, CE, RoHS

Diagram



Order Information

FSW-0503: 61.6W
FSW-0503Z: 61.6W, excl. power adapter
FSW-0503W90: 90W

Package Contents

FSW-0503
User Manual

Optional Accessory

POC-4002
8-Bay Chassis, 500W

POC-6000
8-Bay Chassis, 1000W

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