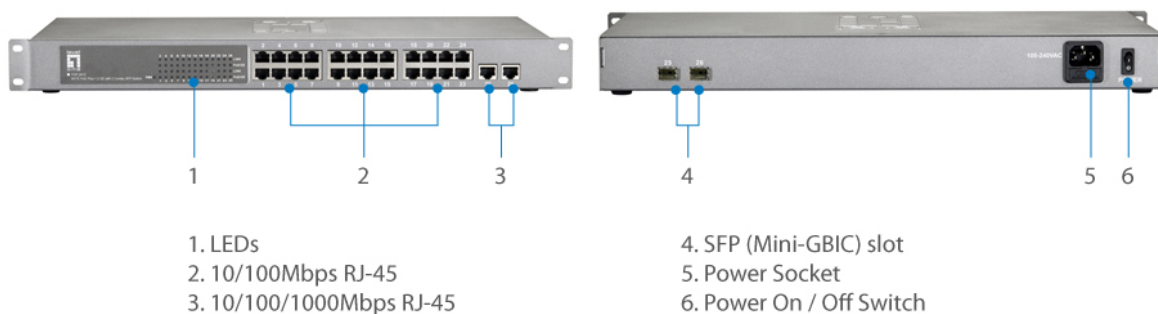


FGP-2412 Version: 1



## 26-Port Fast Ethernet PoE Switch, 2 x Gigabit SFP/RJ45 Combo, 802.3at/af PoE, 24 PoE Outputs

LevelOne FGP-2412 provides 24 10/100Mbps ports with IEEE 802.3at/af PoE interfaces and plus 2 Gigabit Combo SFP ports. It supports MDI / MDI-X convertible on 24-10/100Mbps ports and provides PoE injector function on PoE ports. With its 8.8Gbps non-blocking switch fabric, 4K MAC Address table, and 802.3x, full-duplex flow control, the FGP-2412 offers wire-speed packet transfer performance without risks of packet loss. All 24 Fast Ethernet RJ-45 copper interfaces support 10/100Mbps and 2 Gigabit Ethernet RJ-45 copper interfaces support 10/100/1000Mbps auto negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. MDI/MDI-X auto detection is provided for direct wire connection to any Ethernet devices like switches, hubs, or workstations without requiring a crossover cables. Through the front panel LED indicators, users can easily tell the network connection status directly from the indicators. The FGP-2412 also provides a simple, cost-effective, and highly reliable network connection for data and power transmission. Furthermore, it is the ideal device for bridging among Ethernet, Fast Ethernet workgroups and networks. It fits all kind of Ethernet installations such as campus, workgroup, department, enterprise, telecom or industrial applications.



### Key Features

- 24 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- 
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports 4K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing
-

## Specifications

### System Specifications

**Standards:**

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet  
IEEE 802.3x Full-duplex Flow Control  
IEEE 802.3af Power over Ethernet (PoE)  
IEEE 802.3at Power over Ethernet Plus (PoE+)

**Buffer Memory:**

352KB

**Port:**

24 x 10/100Base-TX RJ-45 PoE Ports  
2 x 10/100/1000Base-T RJ-45 Ports with 2 shared 1000Base-X SFP Slot

**Button/Knob:**

Power On/Off Switch

**Indicator:**

Power; Link/Active; PoE

**Transmission Method:**

Store-and-Forward

**Power Input:**

100-240V AC, 50-60 Hz, 5A, Internal Power Supply

**Power Consumption:**

< 150W (FGP-2412W150)  
< 380W (FGP-2412W380)  
< 500W (FGP-2412)  
< 630W (FGP-2412W630)

**Backplane (Gbps):**

8.8Gbps

**MAC Address Table:**

4K

**Data Rate:**

10/100/1000Mbps

**Operating Temperature (°C):**

Operating: 0°C ~ 45°C  
Storage: - 40°C ~ 70°C

**Operating Humidity (Non-condensing):**

Storage: 10% ~ 90%  
Operating: 10% ~ 90%

**Mount:**

Desktop and 19-inch rack-mountable

### Features

**PoE:****Power Budget:**

Max. 150W (port 1 - 24)-(FGP-2412W150)  
Max. 380W (port 1 - 24)-(FGP-2412W380)  
Max. 250W (port 1 - 8); 250W (port 9 - 24)-(FGP-2412)  
Max. 250W (port 1 - 8); 380W (port 9 - 24)-(FGP-2412W630)  
Power Output: 56V DC, up to 30W per port  
Protection: PoE over current & PoE circuit sorting protection, PD classification identity  
Pin Assignment: 1/2(+), 3/6(-)

## Performance

### Packet Forwarding Rate:

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

## Physical Specifications

### Dimensions (W x D x H mm):

200 x 480 x 44 mm

### Weight (g):

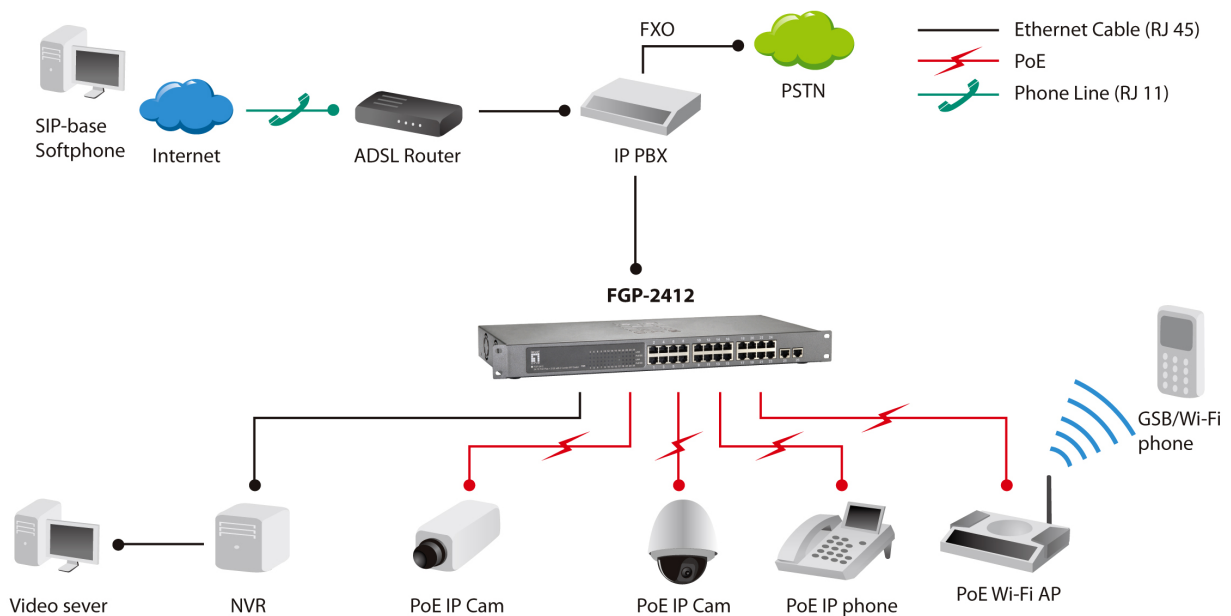
3850 g

## Approval and Compliance

### EMI/EMS:

FCC, CE, RoHS

## Diagram



## Order Information

FGP-2412: 500W

FGP-2412W380: 380W

FGP-2412W630: 630W

FGP-2412W150: 150W

## Package Contents

FGP-2412

Power Cord

Rubber Feet

Quick Installation Guide



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