



## 24 FE PoE Plus + 2 GE with 2 Combo SFP Switch



H/W Version: 1

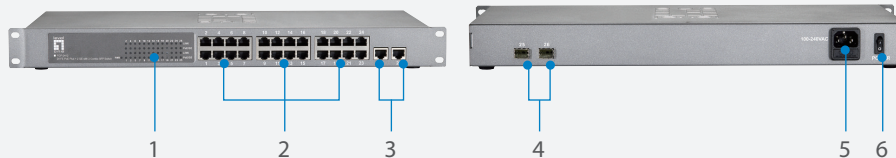
LevelOne FGP-2412 provides 24 10/100Mbps ports with IEEE 802.3at/af PoE supported and plus 2 Gigabit Combo SFP ports. It supports MDI / MDI-X convertible on 24-10/100Mbps ports and provides PoE inject function on PoE ports.

With its 8.8Gbps non-blocking switch fabric, 4K MAC Address table, and IEEE 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.



1. LEDs
2. 10/100Mbps RJ-45
3. 10/100/1000Mbps RJ-45
4. SFP (Mini-GBIC) slot
5. Power Socket
6. Power On / Off Switch

### Key Features

- IEEE 802.3at PoE Plus compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- Supports auto-negotiation and auto-MDI/MDI-X cable detection on each port
- Store-and-Forward architecture to ensure error-free communications
- IEEE 802.3x flow control protects against lost packets for reliable data transmission
- 19-inch metal housing
- Simple Plug and Play installation
- Total PoE power budget: 480W, up to 30W per port
- Internal power supply

### Works Well With



**FCS-5061**  
Day/Night 5-Megapixel PoE Plus Outdoor Network Camera



**WAP-6012**  
300Mbps Wireless Gigabit PoE Access Point

## Technical 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 Flow Control (full-duplex flow control)  
 IEEE 802.3af Power over Ethernet  
 IEEE 802.3at Power over Ethernet Plus

### Features

MAC Address: 4K  
 Buffer Memory: 352KB  
 Transmission Method: Store and Forward  
 Backplane: 8.8Gbps

### Filtering/Forwarding Rates

1000Mbps port-1,488,000pps  
 100Mbps port-148,000pps  
 10Mbps port-14,880pps

### Transmission Media

10Base T Cat. 3, 4, 5 UTP/STP  
 100Base TX Cat. 5 UTP/STP  
 1000Base TX Cat. 5e/6/7 UTP/STP

### Network Interface

24 x 10/100Mbps RJ-45 PoE Ports  
 2x 10/100/1000Base-T RJ-45 combo 1000Base-FX SFP Uplink Slots

### PoE Spec

PoE Standard: IEEE 802.3af/at Power over Ethernet / PSE  
 PD classification identity  
 PoE over current protection  
 PoE circuit sorting protection  
 PoE Power Output: Per Port 56V DC, Max. 15.4 watts (802.3af) or 30 watts (802.3at)  
 Power Budget: Max. 480W  
 Power Pin Assignment: 1/2(+), 3/6(-)

### LED Indicators

Power, Active, 10/100M, PoE

### Power Input

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

### Power Consumption

500W

### Dimensions (L x W x H)

480 x 200 x 44mm

### Weight

3.8kg

### Temperature

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

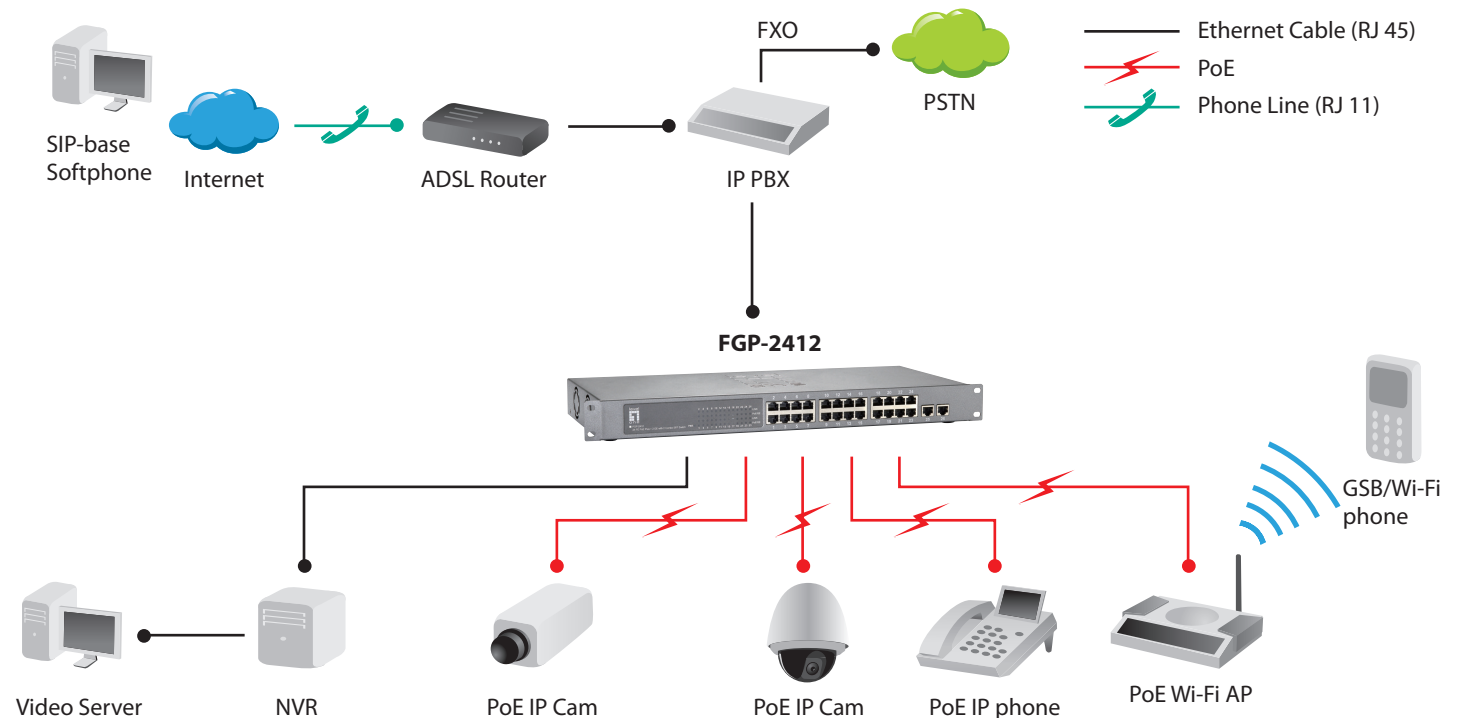
### Humidity

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

### Certifications

FCC, CE

## Product Diagram



## Order Information

## Package Contents

**FGP-2412:** 24 FE PoE Plus + 2 GE with 2 Combo SFP Switch

FGP-2412

Rubber Feet x 4

Power Cord

Quick Installation Guide

## Optional Accessories



**GVT-0300**  
1.25Gbps SFP Transceiver,  
Duplex LC connector (550m)



**GVT-0301**  
1.25Gbps SFP Transceiver,  
Duplex LC connector (10km)



**GVT-0302**  
1.25Gbps SFP Transceiver,  
Duplex LC connector (80km)



**SFP-3001**  
1.25Gbps SFP Transceiver,  
Duplex LC connector (550m)



**SFP-3211**  
1.25Gbps SFP Transceiver,  
Duplex LC connector (10km)



**SFP-3611**  
1.25Gbps SFP Transceiver,  
Duplex LC connector (80km)



**SFP-3111**  
1.25Gbps SFP Transceiver,  
Duplex LC connector, MLX  
(2km)



**SFP-3411**  
1.25Gbps SFP Transceiver,  
SM, EZX, Duplex LC  
connector (120km)



**SFP-3711**  
1.25Gbps SFP Transceiver,  
SM, EZX, Duplex LC  
connector (120km)



**SFP-9221**  
1.25Gbps Bi-Di SFP  
Transceiver, SM, Simplex LC  
connector (10km)



**SFP-9231**  
1.25Gbps Bi-Di SFP  
Transceiver, SM, Simplex LC  
connector (10km)



**SFP-9321**  
1.25Gbps Bi-Di SFP  
Transceiver, SM, Simplex LC  
connector (20km)



**SFP-9331**  
1.25Gbps Bi-Di SFP  
Transceiver, SM, Simplex LC  
connector (20km)



**SFP-9421**  
1.25Gbps Bi-Di SFP  
Transceiver, SM, Simplex LC  
connector (40km)



**SFP-9431**  
1.25Gbps Bi-Di SFP  
Transceiver, SM, Simplex LC  
connector (40km)

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