



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



H/W Version: 1

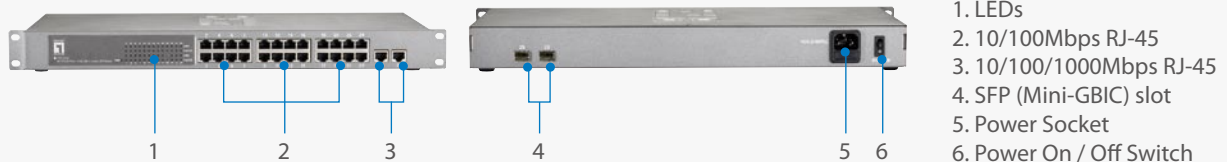
LevelOne FGP-2412 provides 8 10/100Mbps ports with IEEE 802.3at PoE supported and 16 10/100Mbps ports with IEEE 802.3afPoE supported and plus 2 Gigabit Combo SFP ports. It supports MDI / MDI-X convertible on 24-10/100Mbps ports and provides PoE inject function on PoE ports.

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

- Comply with IEEE 802.3, IEEE 802.3u 10/100Base-TX, IEEE 802.3ab 1000Base-T Ethernet Standard
- Auto-MDI/MDI-X detection on each RJ-45 port
- Prevents packet loss with back pressure (half-duplex) and 802.3x flow control (full-duplex)
- High performance Store and Forward architecture
- Provide 8.8Gbps switch fabric, non-blocking switch architecture
- 4K MAC address table, automatic source address learning and ageing
- 19-inch rack mount with holder

### Related Products



**FGP-2410**  
24 FE PoE + 2 GE with 2 Combo SFP Switch



**FGP-2411**  
24 FE PoE + 2 GE with 2 Combo SFP Switch

## Technical Specifications

### Hardware Specification

24x 10/100Base-TX RJ-45 Auto-MDI/MDI-X ports  
 2x 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X ports  
 2x 1000Base-FX SFP Slots  
 Dimensions (W x D x H) : 440 x 200 x 44 mm, 1U height  
 Weight: 3.8 kgs  
 Power Requirement: 100~240 VAC, 0.5A, 50-60 Hz  
 Power Consumption: 500w

### Software Specification

Switch Processing Scheme: Store-and-forward  
 Throughput (packet per second): 6.547Mpps  
 Switch Fabric: 8.8Gbps  
 Address Table: 4K entries  
 Share data Buffer: 2.5Mbit  
 Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex

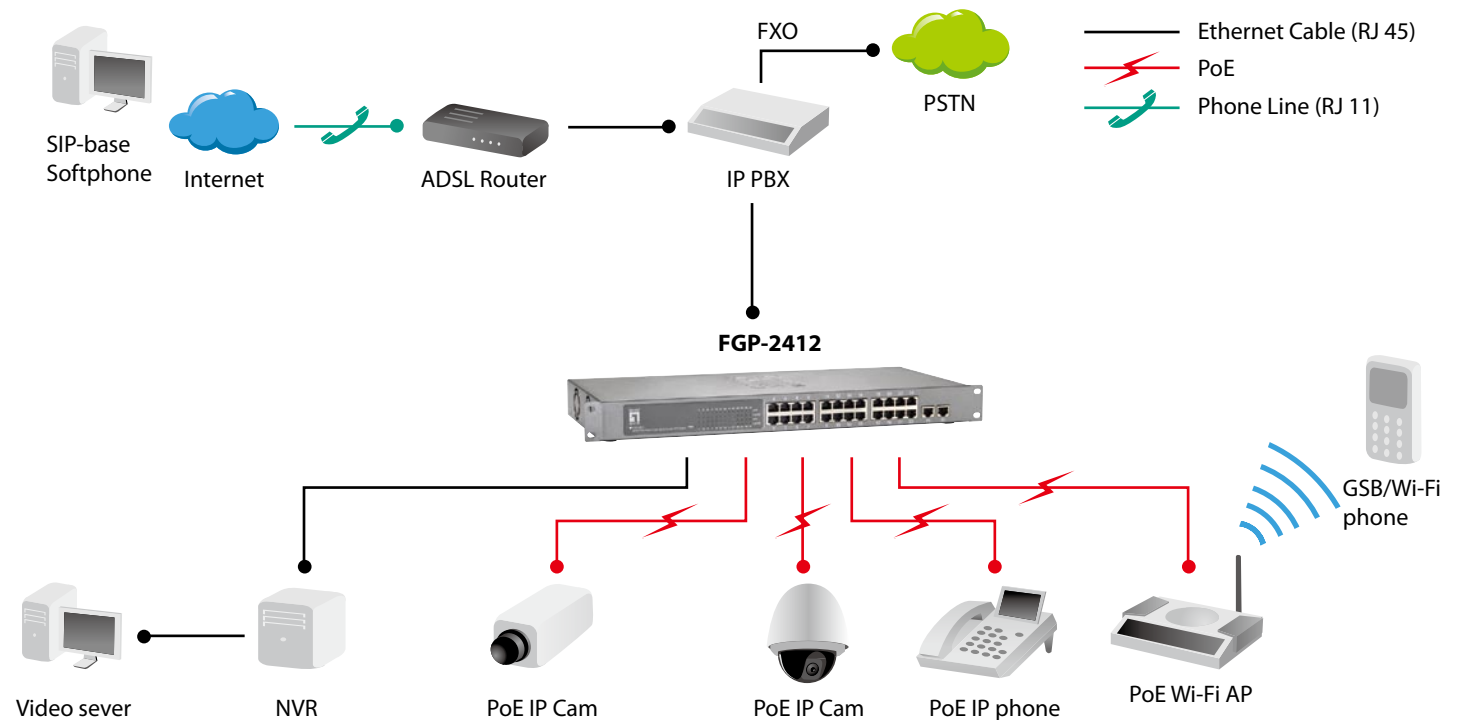
### Power over Ethernet

IEEE 802.3af Power over Ethernet / PSE  
 PoE Power Output: 1-8ports: per port max. 30w, 9-24ports: per port max. 15.4w  
 Power Pin Assignment: 1/2(+), 3/6(-)  
 Power Budget: Max. 486.4w

### Standards Conformance

Regulation Compliance FCC Part 15 Class A, CE  
 Standards Compliance IEEE 802.3 (Ethernet)  
 IEEE 802.3u (Fast Ethernet)  
 IEEE 802.3ab (Gigabit Ethernet)  
 IEEE 802.3x (full-duplex flow control)

## Product Diagram



## Order Information

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

## Package Contents

FGP-2412  
 Rubber Feet  
 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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