

FGP-2412 Version: 1

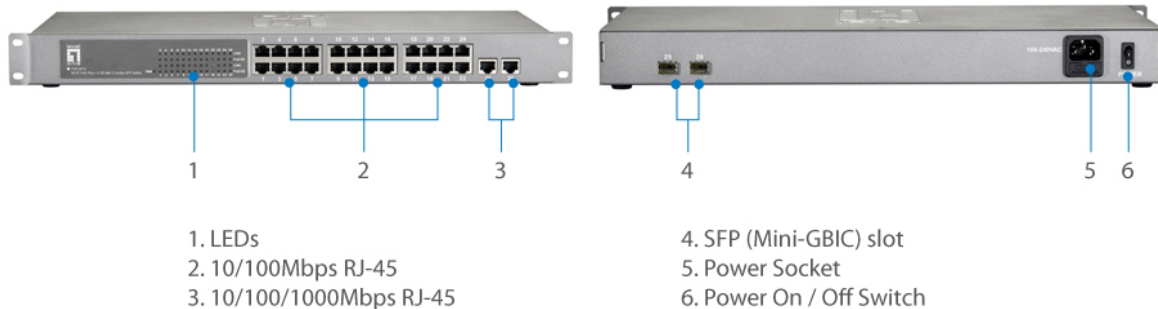


24 FE PoE-Plus + 2 GE Combo SFP Switch, 480W

LevelOne FGP-2412 provides 8 10/100Mbps ports with IEEE 802.3at PoE supported and 16 10/100Mbps ports with IEEE 802.3af PoE supported 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.



Order Information

FGP-2412

Key Features

- 24 Fast Ethernet ports + 4 Gigabit combo (RJ-45/SFP) 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
- Total PoE power budget: 240W (port 1 - 8); 240W (port 9 - 24), up to 30W per port

Related Product



FGP-2410

24 FE PoE-Plus + 2 GE Combo SFP Switch, 240W

Specifications

System Specifications

Buffer Memory (KB):

352KB

Connectors and Cabling:

24 x 10/100Base-TX RJ-45 PoE Ports

2 x 10/100/1000Base-T RJ-45 Ports with 2 shared 1000Base-FX SFP Slots

Button:

Power On/Off Switch

Indicator:

Power; Link/Active; PoE

Transmission Method:

Store-and-Forward

Performance

Backplane (Gbps):

8.8Gbps

MAC Address Table:

4K

Data Transfer Rate:

Ethernet: 10Mbps (Half-duplex); 20Mbps (Full-duplex)

Fast Ethernet: 100Mbps (Half-duplex); 200Mbps (Full-duplex)

Gigabit Ethernet: 1000Mbps (Half-duplex); 2000Mbps (Full-duplex)

Filtering/Forwarding Rate:

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

Operating Distance:

2-pair UTP Cat.3/4/ 5 up to 100m

Standards & Protocols

General:

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

IEEE 802.3at Power over Ethernet Plus

General Features

Flow Control:
IEEE 802.3x Flow Control

PoE Features

Standards:
Power Source Equipment (PSE)
IEEE 802.3af Power over Ethernet
IEEE 802.3at Power over Ethernet Plus

Power Budget:
Max. 480W

Power Output:
56V DC, up to 30W per port

Protection:
PoE over current & PoE circuit sorting protection

Pin Assignment:
1/2(+), 3/6(-)

Others:
PD classification identity

Environment

Storage Temperature (°C):
- 40°C ~ 70°C

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

Operating Temperature (°C):
0°C ~ 45°C

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

Power Specifications

Power Consumption (W):
500W

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

Physical Specifications

Dimensions (W x D x H mm):
200 x 480 x 44 mm

Weight (g):
380 g

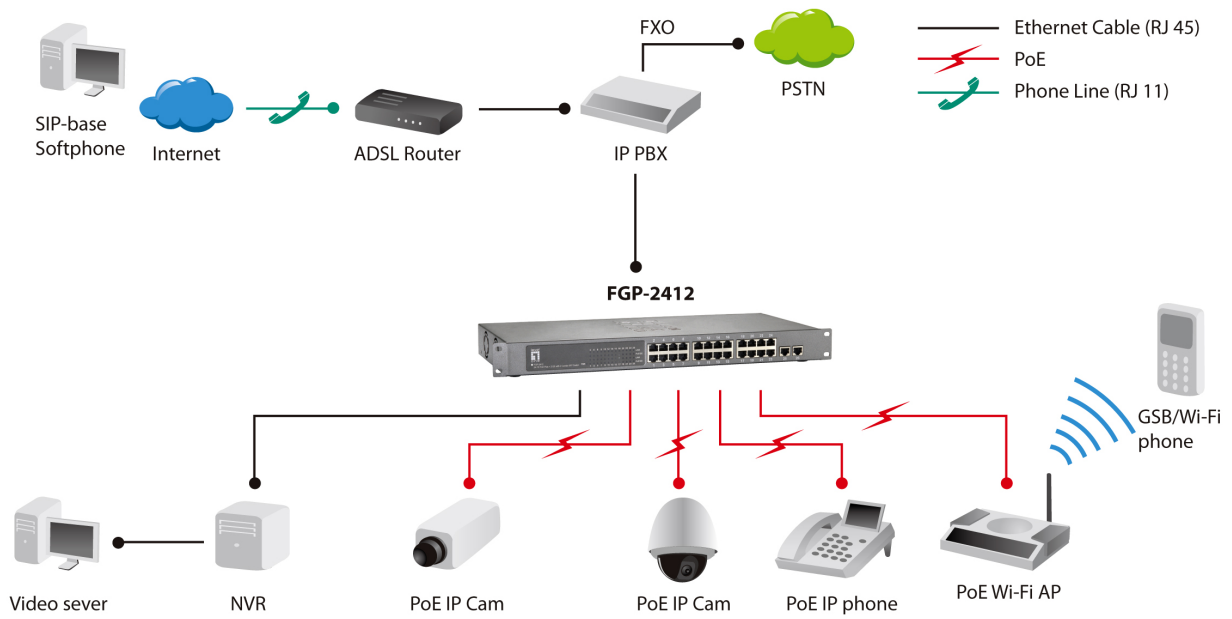
Others

Approval and Compliance:
FCC, CE

Deployment:
Desktop and 19-inch rack-mountable



Diagram



Package Contents

- Power Cord
- Rubber Pad Kit
- Quick Installation Guide

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