



IGP-1221 Version: 1

12-Port Gigabit PoE Industrial Switch, 8 PoE Outputs, 802.3at/af PoE, 240W, 4 x SFP, DIN-Rail

The LevelOne IGP-1221 Industrial Gigabit PoE Switch provides 8 ports of Gigabit RJ45 PoE and 4 ports of Gigabit SFP to enable high speed network at mission-critical environment. The switch is IEEE 802.3af/at compliant, providing power and data over a single Ethernet cable to any PoE device, with a total power budget of 240W, or up to 30W per port. With an industrial-standard DIN-rail mount for easy cabinet deployment, this ruggedized switch is engineered for installation in industrial settings where humidity, dust, high or low operating temperatures or vibrations could cause standard devices to fail.

Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 10/100/1000Mbps wire speed transmission and reception
- -40°C to 75°C operating temperature range

Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10-BASE-T (Ethernet)
 IEEE 802.3u 100-BASE-TX (Fast Ethernet)
 IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)
 IEEE802.3az Energy Efficient Etherne
 IEEE 802.3af Power over Ethernet
 IEEE 802.3at Power over Ethernet Plus

Memory:

RAM : 128 MB
 Flash : 32 MB

Buffer Memory:

0.5 MB

Connectors and Cabling:

8 (10M/100M/1G) RJ45 with 8 PoE+ (Support 802.3 at/af, and total up to 240W) ports, 4 GbE SFP ports

Button/Knob:

Reset Button

Indicator:

System

**Transmission Method:**

Store-and-Forward

Power Input:

48VDC ~ 57VDC

Power Output:

9VDC output to mainboard

Power Consumption:

Full loading : 238.16 W

Backplane (Gbps):

Switching Bandwidth: 24Gbps

Forwarding Performance : 17.856Mpps

MAC Address Table:

8K

Data Transfer Rate:

10/100/1000Mbps

Features

PoE:

Power Budget: Max. 240W

Power Output: Up to 30W per port

Protection: Circuit protection to prevent power interference between ports

Per port power priority setting, PD classification identity

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

Performance

Packet Forwarding Rate:

17.856Mpps

Jumbo Frame (K):

9216 Bytes

Switching Capacity:

24Gbps

Environment

Power Saving:

IEEE 802.3az Energy Efficient Ethernet standard for green Ethernet application

Temperature (°C):

Operating: -40°C ~ 75°C

Storage: -40°C ~ 85°C

Humidity (Non-condensing):

Storage: 10% ~ 90%

Operating: 10 ~ 90%

Installation:

DIN-RAIL

Physical Specifications

Dimensions (W x D x H mm):

62x 130x 135

Weight (g):
680g

Reliability

MTBF:
25°C: 512,345(hr)
75°C: 98,010(hr)

Approval and Compliance

EMI/EMS:
FCC,CE

Safety:
UL,CB

Order Information

IGP-1221

Package Contents

IGP-1221
Mounting Kit
Quick Installation Guide
Resource CD (User Manual, QIG)

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