



24-Port Gigabit PoE Switch, 802.3at/af PoE

The LevelOne GEP-2421 series are unmanaged Gigabit PoE switches with 24 RJ45 PoE ports. The switches are IEEE 802.3af/at compliant, providing power and data over a single Ethernet cable to any PoE device, with a total power budget of 150/250/380/500/630W, or up to 30W per port. Ideal for desktops, they are also 19-inch rack-mountable, which provides convenient and flexible installation. The GEP-2421 switches are designed for small-to-medium businesses that require an affordable solution for deploying PoE infrastructure.

Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX

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)
IEEE 802.3x Flow Control (full-duplex flow control)
IEEE 802.3az (Energy Efficient Ethernet)
IEEE 802.3af Power over Ethernet
IEEE 802.3at Power over Ethernet Plus

Memory:

MX25L4005AMC-12G

Buffer Memory:

4.1Mbit

Port:

24 x 10/100/1000Mbps RJ45

Button/Knob:

POWER Button

Indicator:

Power, LAN 1~24 port, PoE 1~24 port

**Transmission Method:**

Store-and-Forward

Power Input:

AC Power input(100V~240V), 50-60 Hz

Power Output:

Per Port 56VDC, Max. 30 watts (802.3at)

Power Consumption:

150W/250W/380W/500W/630W

Backplane (Gbps):

48Gbps

MAC Address Table:

8K

Data Transfer Rate:

10/100/1000Mbps

Features

PoE:

IEEE 802.3at/af Power over Ethernet/PSE Mode A

Performance

Packet Forwarding Rate:

10Mbps 14880pps,
100Mbps 148800pps,
1000Mbps 1488000pps

Jumbo Frame (K):

10K

Switching Capacity:

48Gbps

Environment

Power Saving:

IEEE 802.3az (Energy Efficient Ethernet)

Temperature (°C):

Operating: 0° ~ 50°C

Humidity (Non-condensing):

Operating: 10 ~ 90%

Installation:

Rackmount

Physical Specifications

Dimensions (W x D x H mm):

440x220x44

Weight (g):

3.8kg

Reliability

MTBF:
55.5khours (6 years)

Approval and Compliance

EMI/EMS:

EMI:

EN55032:2012+AC:2013

EN55022:2010+AC:2011

AS/NZS CISPR 22 Amdt. (2010)

EN61000-3-2:2014

FCC Class A

CE

EN61000-3-3:2013

EMS:

EN55024:2010

IEC61000-4-2:2008

IEC61000-4-3:2006+A1:2007+A2:2010

IEC61000-4-4:2012

IEC61000-4-5:2005

IEC61000-4-6:2013

IEC61000-4-8:2009

IEC61000-4-11:2004

Order Information

GEP-2421W150: 150W

GEP-2421W250: 250W

GEP-2421W380: 380W

GEP-2421W500: 500W

GEP-2421W630: 630W

Package Contents

GEP-2421W150

User Manual

Rubber Feet

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