

DATASHEET

28-Port Web Smart Gigabit PoE Switch, 2xSFP, 2xGigabit RJ45, 24xPoE Ports



General data

24 Gigabit PoE ports, 2 Gigabit RJ45 uplink ports and 2 Gigabit SFP uplink slots
 375W PoE budget, up to 2 90W ports (Port 1 and 2) and up to 22 30W ports
 IEEE 802.3af/at/bt PoE compliant for easy deployment and installation
 Supports port-based VLAN
 Supports IEEE 802.1P Layer 2 priority queuing for optimal data flow

The LevelOne GEP-2841 Web Smart Gigabit PoE Switch offers 24 10/100/1000Base-T PoE ports, 2 Gigabit Uplink SFP ports and 2 Gigabit Uplink RJ45 ports for a high-speed network. Highly visible status LEDs allow for easy monitoring of port link activity. Additionally, the SFP slots support pluggable modules, allowing you to choose from a variety of transceivers. It offers powerful advanced PoE functionality and a total PoE budget of 375W. It is fully compliant with the IEEE802.3af/at/bt PoE standard with a maximum power budget of 90W (on ports 1 and 2). It supports up to 30W output power per additional PoE port, giving you power distribution flexibility for a wide range of PoE PD devices. This can significantly reduce infrastructure cabling costs as there is no need for electrical cabling, meaning less UPS is required.

General

Color: Black

Features

VLAN:

- Static VLAN
- Port-based VLAN

QoS:

- Priority selection
- DSCP remapping
- Priority to queue

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- Port-based priority
- Packet scheduling

Monitoring:

- Port Statistics Information
- IGMP Setting(Enable/Disable),
- Trunk Group Setting,
- Port based mirroring,
- port isolation,
- Bandwidth Control,
- jumbo frame,
- Loop detection and prevention

Management ● WEB (HTTP)

- Software upgrade
- Configuration export/import
- PoE port management

Security MAC Address:

- Static MAC
- Mac constraint
- storm control,
- DHCP control

Miscellaneous

Grade Commercial
Data rate Gigabit Ethernet
PoE Supported Yes
Manageable Yes
Fanless No
Concurrent ports 28.00 ports
PoE power budget 375.00 watts

Others

Approvals and Compliance

- CE
- RoHS
- Operating humidity 5% RH ~ 90% RH
- Operating temperature -10°C ~ 65°C
- Storage humidity 5% RH ~ 95% RH
- Storage temperature -40°C ~ 75°C
- Scope of delivery ● GEP-2841
- Power cord
- 19" Rack Mount Kit
- Quick Installation Guide
- Declaration of Conformity

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Physical Specifications

Product weight (kg) 2,712 kg

Dimensions (W x D x H) 440 x 220 x 45 mm

System specifications

Energy consumption ● 25W (without PoE)

● 400W (full loading PoE on)

Standards ● IEEE 802.3 10-BASE-T, Ethernet

● IEEE 802.3u 100-BASE-TX, Fast Ethernet

● IEEE 802.3ab 1000Base-T Gigabit Ethernet

● IEEE 802.3z 1000Base-X Gigabit Ethernet

● IEEE802.3x Flow Control and Back Pressure

● IEEE802.3af

● IEEE802.3at

● IEEE802.3bt

Power supply 100-240VAC, 50-60Hz, 4.8A

Pin assignment and polarity 1/2 (+), 3/6 (-)

Attachment 19" rack mount, desk mount

Flash memory size 8 MB

Memory size 256K

MAC address table 8K

Jumbo frames (KB) 9 KB

Micro switch WEB Management (Enable/Disable)

Packet buffer 40.32 Mpps

Backplane (Gbit/s) 56 Gbps

Technical properties

10 Gigabit Ethernet	False
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	True
Manageable	True
Manufacturer	LevelOne
Max. PoE per Port	30 W
Mounting method	482.6 mm (19 inch) mounting
Number of ports 10/100/1000 Mbps RJ45	24
Number of ports 100/1000 Mbps Mini GBIC	2
Number of ports PoE	24
Power over Ethernet (PoE)	802.3bt (4PPoE)

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Available variants

ArtNr.	Bezeichnung	Max. PoE power
GEP-2841	28-Port Web Smart Gigabit PoE Switch, 2xSFP, 2xGigabit RJ45, 24xPoE Ports	375 W

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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