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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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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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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