DATASHEET

28-Port-Fast Ethernet-PoE-Switch, 24xPoE-Ports 2xGigabit RJ45 2xGigabit SFP







General data

24 Fast Ethernet PoE ports, 2 Gigabit ports and 2 Gigabit SFP slots
Total PoE budget: 390W, up to 30W per port
IEEE 802.3af/at PoE compliant, for easy deployment and Installation
6KV surge protection, 6KV/8KV ESD protection.
Transmission range of up to 250m at 10Mbit/s data rate
Extensive DIP switch button configuration for PoE auto-check and extension mode / default mode / VLAN mode functions.
Supports PoE auto-check function, which is specially designed to solve the problem of frozen equipment. This can automatically detect the frozen PD device and restart the PoE output of the port, thereby restarting the PD device. This simplifies maintenance of the technology.

The FGP-2831 from LevelOne is a latest generation unmanaged PoE switch with 28 ports, including 2 Gigabit RJ45 and 2 Gigabit SFP uplink ports. It also offers a comprehensive DIP switch configuration for PoE auto-check and functions such as extension mode / default mode / VLAN mode.

The PoE-capable switch FGP-2831 has an IEEE 802.3af/ at-certified, high-quality PoE functionality with a PoE power budget of 390 W. It supports up to 24 ports at 15.4 W or 13 ports at 30 W to meet users' increasing power requirements. It gives you flexibility in power allocation across a variety of powered devices, allowing operations to

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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scale to meet business growth, operational cost savings, and ease of administration.

Port Configuration
Gigabit RJ45 2
Gigabit SFP 2
802.3af/at PoE 24

General
Farbe Schwarz

Features
Dip switch Features:
● PoE Auto-check On/Off: The switch continuously monitors ports 1-24 for unresponsive behavior. If a port becomes unresponsive, the switch will automatically cycle power to restart it, without affecting other ports.
● Extend mode: This mode extends the operating distance of ports 1-24 to up to 250 meters. Each port in this mode is isolated from other ports and can only communicate with the uplink ports 25-28. Network storms are prevented, and IEEE 802.3x flow control is disabled.
● Default mode: This mode provides standard switch operation with normal network communication and PoE functionality.
● VLAN mode: In this mode, ports 1-24 are isolated from each other and can only communicate with the uplink ports 25-28. This configuration helps prevent network storms. Flow control is enabled in this mode.

Protection Features:
● Surge Protection 6KV, Standard IEC61000-4-5
● ESD Protection 6KV, contact / 8KV: air, Standard IEC61000-4-2
Miscellaneous
Grade Commercial
Data rate Fast and Gigabit Ethernet
PoE Supported Yes
Manageable No
Fanless No
Concurrent ports 28,00 Ports
PoE Power Budget 390,00 Watts

Others
Zulassungen und Konformität CE, RoHS
Operating humidity 10% RH ~ 90% RH
Operating temperature -10°C ~ 50°C
Storage humidity 0% RH ~ 95% RH
Storage temperature -40°C ~ 85°C
Lieferumfang FGP-2831,
Quick Installation Guide,
Power Cord,
19" Rack Mount Kit

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Physical Specifications
Produktgewicht (kg) 4
Dimensions (W x D x H) 420 x 285 x 44 mm
System specifications
Standards • IEEE 802.3 10BASE-T
• IEEE 802.3u 100BASE-TX
• IEEE 802.3ab 1000BASE-T
• IEEE 802.3z 1000BASE-X
• IEEE 802.3af/at
Stromversorgung AC power supply (100-240VAC,50/60Hz,2.5-5A)
Pinbelegung und Polarität 1/2 (+), 3/6 (-)
Befestigung 19" rack mount, Desk mount
Arbeitsspeichergröße 4M
MAC-Adresstabelle 8K
Indikator System, Link/Act/Speed, PoE
Mikro-Schalter PoE Auto-check function(On/Off) , Extend mode/Default mode/VLAN mode
Paketpuffer 9.5Mpps
Backplane (Gbit/s) 12.8Gbps

Technical properties	
10 Gigabit Ethernet	False
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	False
Manageable	False
Manufacturer	LevelOne
Mounting method	482.6 mm (19 inch) mounting
Number of ports PoE	24
Power over Ethernet (PoE)	802.3 at (PoE+)

Available variants

ArtNr.	Bezeichnung	Max. PoE power
FGP-2831	28-Port-Fast Ethernet-PoE-Switch, 24xPoE-Ports 2xGigabit RJ45 2xGigabit SFP	390 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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