DATASHEET

20-Port-Fast Ethernet-PoE-Switch 16PoE-Ports 2xGigabit RJ45 2xGigabit SFP







General data

16 Fast Ethernet PoE ports, 2 Gigabit ports and 2 Gigabit SFP slots
Extensive DIP switch button configuration for PoE auto-check and Extension mode / Default mode / VLAN mode functions.
Supports the 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 the maintenance of the technology.
Total PoE budget: 270W, up to 30W per port
IEEE 802.3af/at PoE compliant for easy deployment and installation
Supports port-based VLAN
6KV surge protection, 6KV/8KV ESD protection.
Transmission range of up to 250m at 10Mbit/s data rate

The FGP-2031 is the latest generation 20-port Fast Ethernet Unmanaged PoE switch from LevelOne, with 2 Gigabit RJ45 and 2 Gigabit SFP uplink ports. It also offers comprehensive DIP switch configuration for PoE Auto-Check and Extension Mode / Default Mode / VLAN Mode functions.

The PoE-ready FGP-2031 switch features IEEE 802.3af/at certified optimized PoE functionality with 270W PoE power budget and high usability. It supports up to 16 ports of 15.4W or 9 ports of 30W to meet users' increasing performance

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requirements. It gives you flexibility in allocating power across a variety of powered devices, allowing operations to scale to meet the growing needs of the operation, saving operational costs and simplifying management.

Port configuration
Gigabit RJ45 2
Gigabit SFP 2
802.3af/at PoE 16

General
Color: Black

Features
Dip switch features:
● PoE Auto-check On/Off: The switch continuously monitors ports 1-16 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 1-16 up to 250 meters. Each port in this mode is isolated from other ports and can only communicate with the uplink ports 17-20. 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 1-16 are isolated from each other and can only communicate with the uplink ports 17-20. 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
Data rate Fast and Gigabit Ethernet
PoE power budget 270.00 watts
PoE Supported Yes
Concurrent ports 20.00 ports
Fanless No
Manageable No
Grade Commercial

Others
Approvals and compliance CE, RoHS
Operating humidity 0%RH ~ 90%RH
Operating temperature -10°C ~ 50°C
Storage humidity 0%RH ~ 95%RH
Storage temperature -40°C ~ 85°C
Scope of delivery FGP-2031,
Quick Installation Guide,

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power cord,
19" Rack Mount Kit

Physical Specifications
Dimensions (W x D x H) 420 x 280 x 44 mm
Product weight (kg) 4

System specifications
Backplane (Gbit/s) 11.2 Gbps
Micro switch PoE Auto-check function(On/Off), Extend mode/Default mode/VLAN mode
Indicator system, Link/Act/Speed, PoE
MAC address table 8K
Attachment 19" rack mount, desk mount
Packet buffer 8.3 Mpps
Pin assignment and polarity 1/2 (+), 3/6 (-)
Power supply AC power supply (100-240VAC, 50/60Hz, 2-2.5A)
RAM size 4M
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

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	16
Power over Ethernet (PoE)	802.3 at (PoE+)

Available variants

ArtNr.	Bezeichnung	Max. PoE power
FGP-2031	20-Port-Fast Ethernet-PoE-Switch 16PoE-Ports 2xGigabit RJ45 2xGigabit SFP	270 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

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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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