DATASHEET

4-Port-Gigabit-PoE-Industrial-Switch DIN-Rail -40°C to 75°C



General data

10/100/1000Mbps transmission speed
IEEE-802.3af/at/bt PoE compatible for easy use and installation
6KV surge protection level on each port
-40°C to 75°C operating temperature range
Protection against surges and static charges
Supports DIN rail installation

The LevelOne IGP-0431 Industrial Ethernet Switch offers 2 10/100/1000Base PoE ports as well as 2 Gigabit SFP ports to enable high-speed networking for mission-critical environments. This switch mounts on an industry standard DIN rail and can be easily installed in the cabinet. Highly visible status LEDs allow easy monitoring of port connection activity. In addition, the SFP slots support pluggable modules, allowing you to choose from a variety of transceivers. This switch is a Power Sourcing Equipment (PSE) and is fully compliant with the IEEE 802.3at PoE standard with a maximum power budget of 90W per port. It helps dramatically reduce the cost of wiring your infrastructure by eliminating electrical wiring and requiring fewer UPSs. It is also compatible with PD devices following the IEEE802.3af standard.

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

General
Color: Black

Miscellaneous
Data rate Gigabit Ethernet
PoE power budget 180.00 watts
PoE Supported Yes

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Concurrent ports 4.00 ports
Fanless Yes
Manageable No
Grade industrial

Others
Approvals and compliance CE/FCC
Operating humidity 0%RH ~ 95%RH
Operating temperature -40°C ~ 75°C
Storage humidity 0%RH ~ 95%RH
Storage temperature -40°C ~ 85°C

scope of delivery
IGP-0431
Power terminal block
Quick Installation Guide

Physical Specifications
Dimensions (W x D x H) 130 x 110 x 62 mm
Product weight (kg) 0.3

System specifications
Backplane (Gbit/s) 8 Gbps
Indicator Power
Alarm/Act
PoE
10/100/1000Mbps
MAC address table 8K
Fastening DIN rail mount
Packet buffer 5.95 Mpps
Pin assignment and polarity 1/2 (+), 3/6 (-)
Port Configuration 2 port 10/100/1000 Mbps RJ45 and 2 port Gigabit SFP
Energy consumption <5W
Output voltage Provides 2 high power PoE ports, up to 90W single port
Power supply VDC 48~57V
Standards IEEE 802.3u 100-BASE-TX (Fast Ethernet)
IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)
IEEE 802.3x Full Duplex and flow control
IEEE 802.3z Gigabit Ethernet over Fiber Optic
IEEE 802.3af Power over Ethernet
IEEE 802.3at Power over Ethernet Plus

Technical properties	
Gigabit Ethernet	True
Manageable	False

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4-Port-Gigabit-PoE-Industrial-Switch DIN-Rail -40°C to 75°C

Manufacturer	LevelOne
Mounting method	DIN rail (top hat rail)

Available variants

ArtNr.	Bezeichnung	Unique
IGP-0431	4-Port-Gigabit-PoE-Industrial-Switch DIN-Rail -40°C to 75°C	Unique

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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