

PG2-1002-10GSFP-24

10-Port Industrial Gigabit Ethernet Switch

- 8*10/100/1000Tx with PoE Injector (30W/Port) + 2*10G SFP Slot, 24-55VDC Power Input



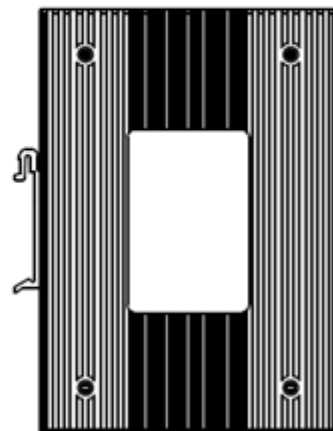
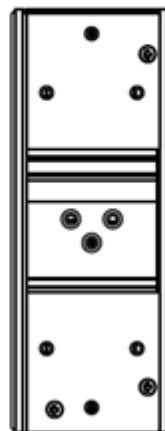
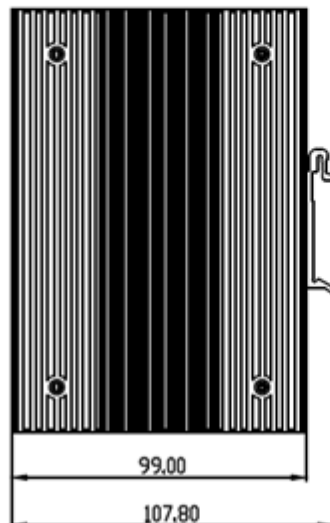
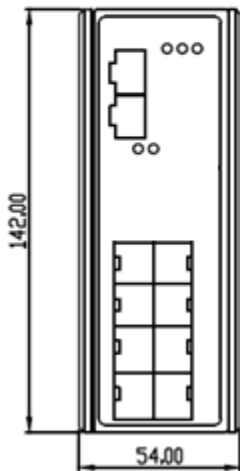
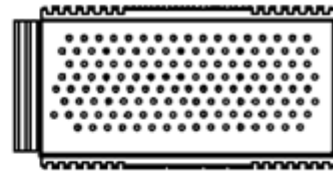
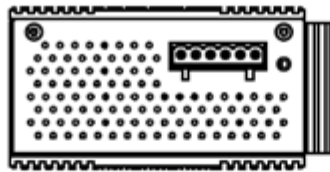
Feature



- 8-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- 2-port 10 Gigabit SFP+ Interface
- Redundant Power Input Design, 24-55VDC
- Built-in Power Booster Design for PoE/PoE+ Output
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature Range: -40°C ~ 60°C



Dimensions (unit = mm)



Specifications

Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3af/at Power Over Ethernet
-----------	---

Processing Type	Store and Forward
-----------------	-------------------

Protocol	CSMA/CD
----------	---------

Flow Control	IEEE 802.3x flow control, back pressure flow control
--------------	--

Switch Properties

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
---------------------	---

Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port 14,880,000pps for 10G Ethernet Port
---------------	---

Memory Buffer	12Mbits
---------------	---------

Jumbo Frame	9216bytes
-------------	-----------

MAC Table size	16K
----------------	-----

Interface

RJ45 Ports	8*10/100/1000BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
------------	---

PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
-------------	---

Fiber Port	2*10G SFP+ Slot
------------	-----------------

LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE status SFP+: Link/Active
----------------	---

Wavelength	Depends on SFP+ modules
------------	-------------------------

Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
---------------	--

Power Requirements

Input Voltage	24-55VDC, Redundant Input
---------------	---------------------------

Overload Current Protection	Present (Slow-Blow Fuse)
-----------------------------	--------------------------

Power Connection	1 removable 6-contact terminal block
------------------	--------------------------------------

Reverse Polarity Protection	Present
-----------------------------	---------

PoE Power Output	30Watts max. per PoE port
------------------	---------------------------

Power Consumption	16Watts for System
-------------------	--------------------

PoE Power Budget	180Watts/24-36VDC, 240Watts/48-55VDC
------------------	--------------------------------------

Relay Contact	24VDC, 1A resistive
---------------	---------------------

Mechanical Characteristics

Housing	Metal, IP30 protection
---------	------------------------

Dimensions	54 x 142 x 99 mm (W x H x D)
------------	------------------------------

Weight	Unit Weight: 1.4kg, Shipping Weight: 1.6kg
--------	--

Mounting	DIN-Rail Mounting, Wall Mounting
----------	----------------------------------

Environmental Limits

Operating Temperature	STD: -40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EMS	IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL 61010-1, UL 61010-2-201
Compliance	NEMA TS2 (ITS) – EoT version
Warranty	5 Years

Due to continuous improvement, all product specifications are subject to change without further notice.

Ordering Information

PG2-1002-10GSFP-24	10-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000Tx with PoE Injector (30W/Port) + 2*10G SFP+ Slot
---------------------------	--

Optional Accessories

DR-75-24	75W Industrial DIN-Rail Power Supply, 24VDC
DR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC
DR-240-24	240W Industrial DIN-Rail Power Supply, 24VDC
DR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC
DR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC
DR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC
SFP-XM00	10G SFP+ Transceiver / LC / 0°C~70°C, multi-mode, 300m, 850nm
SFP-XS10	10G SFP+ Transceiver / LC / 0°C~70°C, single-mode, 10km, 1310nm

Note. More options upon the request