

EG2-1604-SFP

16-Port Industrial Gigabit Ethernet Switch

-12*10/100/1000Tx + 4*100/1000 SFP Slot, 12-48VDC Power Input



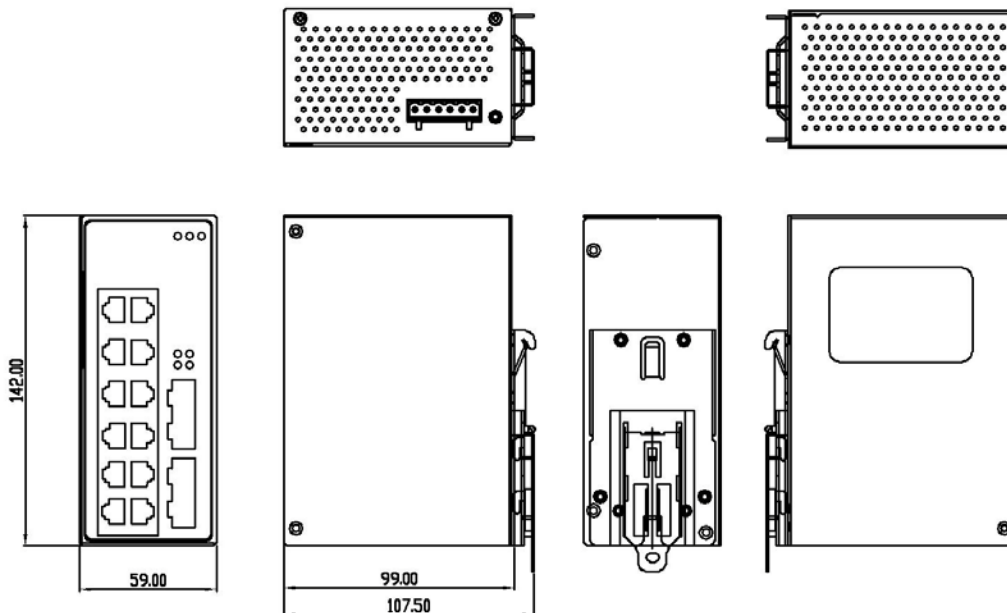
Feature



- 12-port 10/100/1000Tx Ethernet Interfaces
- 4-port 100/1000 SFP Slot
- Redundant Power Input Design, 12-48VDC
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature Range - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C



Dimensions (unit = mm)



Specifications

Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber
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
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table size	8K Mac Addresses

Interface

RJ45 Ports	12*10/100/1000BaseT(X) , auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	4*100/1000 SFP Slot
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting 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	12-48VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Power Consumption	16Watts
Relay Contact	24VDC, 1A resistive

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	59 x 142 x 99 mm (W x H x D)
Weight	Unit Weight: 1.0kg, Shipping Weight: 1.2kg
Mounting	DIN-Rail Mounting, Wall Mounting (optional)

Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F); EOT: -40°C ~ 75°C (-40°F ~ 167°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
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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, EN50121-4
Warranty	5 Years

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

Ordering Information

EG2-1604-SFP	16-Port Industrial Gigabit Ethernet Switch - 12*10/100/1000Tx + 4*100/1000 SFP Slot
EG2-1604-SFP-T	16-Port Industrial Gigabit Ethernet Switch - 12*10/100/1000Tx + 4*100/1000 SFP Slot, Extended Operating Temperature: -40° to 75° C

Optional Accessories

MDR-20-24	20W Industrial Din Rail Power Supply, 24VDC
MDR-40-48	40W Industrial Din Rail Power Supply, 48VDC
MDR-60-48	60W Industrial Din Rail Power Supply, 48VDC