



ES 1010GP-2SFP



- 8x Gigabit Ethernet ports with IEEE 802.3at PoE+
- 2x 100/1000F(x) SFP Slot
- Built for harsh environments and wide temperature range application
- Relay Output with Current Carrying Capacity
- IP-30 Hardened Enclosure
- DIN-Rail Mounting, Optional Wall Mounting

Specifications

Technology

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3ab 1000BaseT
	IEEE 802.3z 1000BaseX
	IEEE 802.3x Flow Control
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at PoE+

Processing Type Store and Forward

Switch Properties

Switch Fabric 20Gbps

Priority Queues -

MAC Table Size 8K

Packet Buffer 4Mbits

Interface

RJ45 Port 8x 10/100/1000T(x) with PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X

Fiber Port 2x 100/1000F(x) SFP Slot

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

LED Indicators **Per unit:** PWR1, PWR2, Fault Ports: Link/Active (Green) **PoE:** Output Power(Amber)

Alarm Contact 1x relay output with current carrying capacity of 1A @ 24 VDC

Power Requirements

Operation Voltage 48-57VDC, redundant dual inputs, >50VDC for PoE+ output recommended

Connection 1x removable 6-contact terminal block

Power Consumption 0.21A@48VDC without PDs' consumption

PoE Power Budget 240W

Protection Overload Current Protected, Reverse Polarity Protected

Environmental Limits

Operating Temperature -40°C ~ 75°C (-40°F ~ 167°F)

Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F)

Ambient Humidity 5 to 95%, (Non-Condensing)

Regulatory Approvals

EMI FCC Part 15 Subpart B Class A
CE EN 55032 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

Certifications IEC 61000-6-2
IEC 61000-6-4

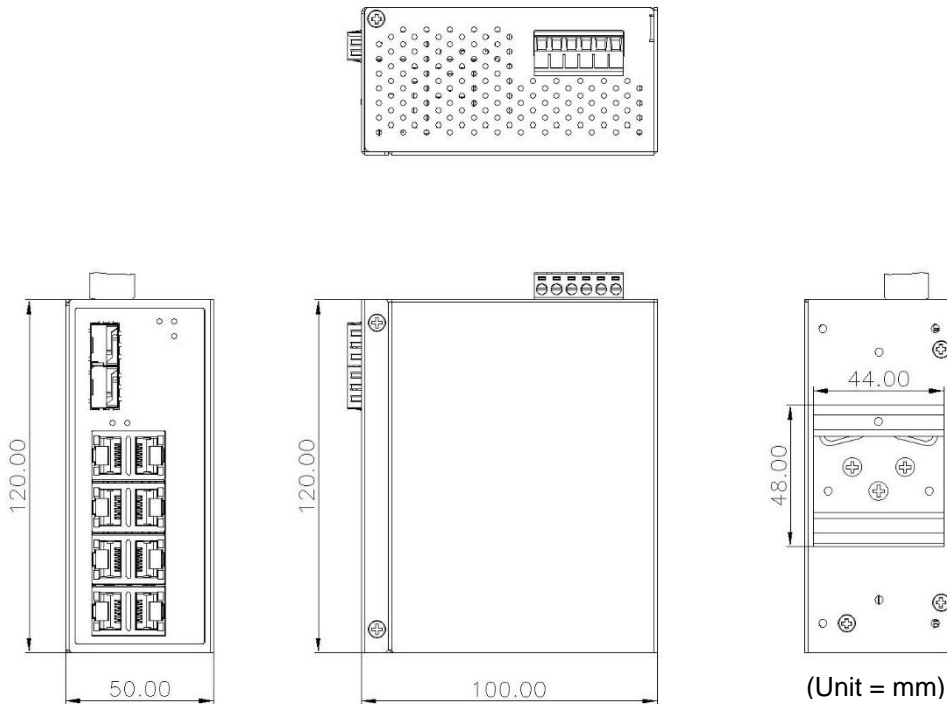
Mechanical Construction

Enclosure	Aluminum
Protection Class	IP-30
Dimensions	50x120x100 mm (WxHxD)
Weight	0.67 kg
Mounting	DIN-Rail Mounting, Optional Wall Mounting Kits

Regulatory Approvals

MTBF	>100,000 hours
Warranty	5 Years

Dimensions



Ordering Information

ES 1010GP-2SFP	8G+2GSFP Industrial Unmanaged PoE+ Gigabit Ethernet Switch - 8x 10/100/1000T(x) with 30W PSE + 2x 100/1000F(x) SFP Slot - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
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Optional Accessories

Industrial DIN Power Supply

DRL-48V120W1EN	120W Industrial DIN-Rail Power Supply, 48VDC (metal case)
DRL-48V240W1EN	240W Industrial DIN-Rail Power Supply, 48VDC (metal case)

SFP

SFPFM2	SFP, 100Mbps, LC, multi-mode, 2KM, 0~70°C
SFPFS30	SFP, 100Mbps, LC, single-mode, 30KM, 0~70°C
SFPGM05	SFP, 1000Mbps, LC, multi, DDM, 550M, 0~70°C
SFPGM2	SFP, 1000Mbps, LC, multi, DDM, 2KM, 0~70°C
SFPGS10	SFP, 1000Mbps, LC, single, DDM, 10KM, 0~70°C

Note: Specifications in this datasheet are subject to change without prior notice.