

Non-Managed Industrial Ethernet Media Converter 1×Gigabit 1310nm SC dual-fiber port, 2×10/100/1000 Base-T electrical ports with PoE support

FW-102GS-20POE

FW-102GS-20POE is a non-managed industrial Ethernet media converter equipped with 1 gigabit optical port and 2×10/100/1000 Base-T electrical ports. The electrical ports support PoE function. Adopting fan-less cooling circuit design, wide operating temperature range and high-protection-grade technology, it delivers outstanding industrial-grade performance including high/low temperature resistance and lightning protection, improving the reliability and security of industrial networks. It can be deployed in harsh scenarios such as rail transit, safe city, intelligent traffic and outdoor surveillance.

Key Features

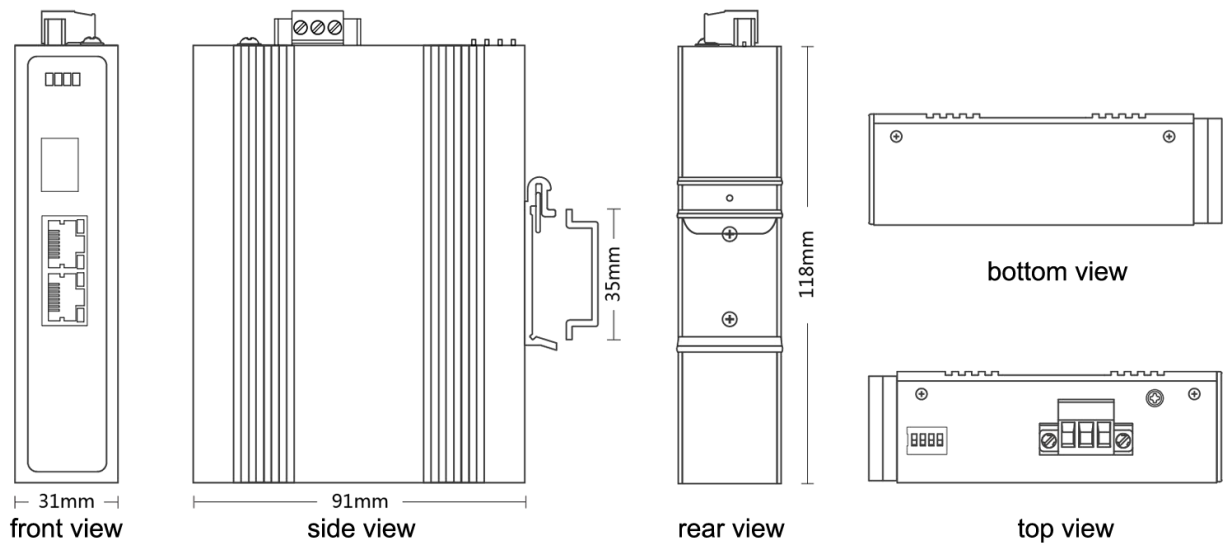
- Input Voltage: DC 48-58V
- Operating Temperature: -30°C ~ 75°C
- Enclosure: IP40 protection grade, fan-less design
- Certifications: CCC / CE / FCC / RoHS
- ESD Protection: 8KV-15KV
- MTBF: 100000 hours

PRODUCT PARAMETERS

Provider Mode Ports	
Fixed port	1*1000 Base-X, 2*10/100/1000 Base - T
Power interface	Phoenix terminal, dual power redundancy
LED Indicators	PWR, Main-board optical port LED, NMC, Expansion-board optical port LED
Electrical Specifications	
input voltage	DC 48-58V
Total Power consumption	<65W
PoE Support(Optional)	
PoE port	1-2
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2,3,6
Layer 2 Switching	
Switching capacity	14G
Packet forwarding rate	10.416Mpps
MAC address table	8K
Buffer	1M
Forwarding delay	<5us
Jumbo Frame	Support 10Kbytes
Environment	
Operating temperature	-30°C~75°C
Storage temperature	-30°C~75°C
Relative humidity	5%~95% non-condensing
Thermal methods	Fan- less, natural heat dissipation
MTBF	100,000 hours
Mechanical Dimensions	
Product size	31*91*118mm
Installation Method	DIN-rail mounting
Weight	Approx. 0.4KG
EMC&INGRESS PROTECTION	
IP Level	IP40
Surge protection of Power	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
ESD Immunity	IEC 61000-4-2 Level 4 (8K/15K)
Accessories	
Accessories	Device, terminals, certificate of conformity, user manual

Connector	Description
Optical Port	SC dual-fiber 1310nm SM 20KM
Electrical Ports	2 x 10/100/1000M adaptive RJ45 ports with PoE support

PRODUCT SIZE



Dimension: 31mm (W) ×91mm (D) ×118mm (H)

Mounting: DIN- rail installation