



XPTN-9000-43-1GX1GT Unmanaged Industrial Ethernet Switch

Input Voltage: DC12-58V

Operating Temperature: -40°C ~ +75°C

Casing: IP40 Protection, Fanless Design

Inspection Report: CE/FCC/RoHS

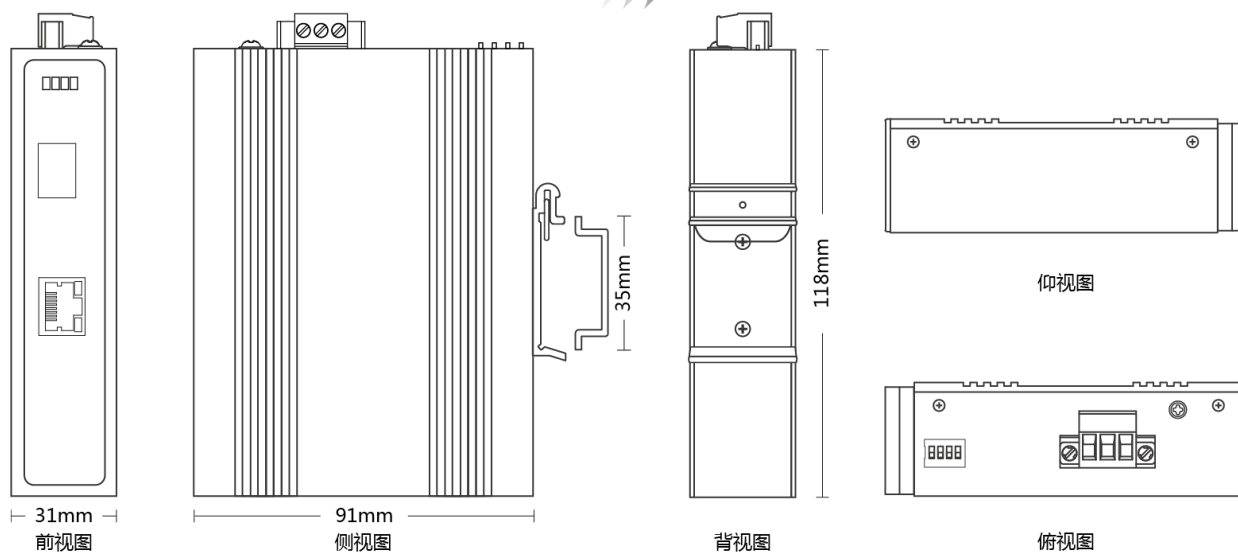
ESD: 8KV-15KV

MTBF: 100000 hours

Product Description

This device is a 1-Gigabit Fiber & 1-10/100/1000Base-T unmanaged industrial Ethernet switch, with optional PoE (Power over Ethernet). Through its fanless heat dissipation circuit design, wide operating temperature range, and high protection rating, it offers exceptional industrial-grade quality, including high/low temperature resistance and lightning protection. These features enhance the reliability and security of industrial networks. It's designed to meet deployment requirements in challenging environments such as rail transit, smart cities, intelligent transportation, outdoor surveillance, and other harsh conditions.

Product Dimensions



Product Specifications

Ports

Fixed port	1*1000 Base-X, 1*10/100/1000 Base - T
Power interface	Phoenix Contact Terminal Blocks, Dual Power Redundancy
LED Indicators	PWR, Mainboard Optical Port Indicator ,NMC

DIP Switch

- 1 LFP
- 2 LGY
- 3 VLAN
- 4 BSR

Cable type&Transmission distance

Twisted-pair	0-100m (CAT5e,CAT6)
Singlemode optical fiber	20/40/60/80/100KM
Multimode optical fibre	550m

Network Topology

Ring topology	Not Support
Star topology	Support
Bus topology	Support
Tree Topology	Support

Electrical Specifications

input voltage	DC12-58V ; PoE DC 48-58V
Total Power consumption	Non-PoE<5W ;PoE<35W

PoE Support

PoE port	1
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
MDI/MDIX	Support
Jumbo Frame	Support 10Kbytes

Mechanical Dimensions

Product size	31*91*118mm
Installation Method	Din Rail
Weight	Approximately 0.4KG

Environment

Operating temperature	-40℃~+75℃
Storage temperature	-40℃~+75℃
Relative humidity	10%~90% non-condensing

Cooling Methods	Fanless Design
MTBF	100,000 Hours

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	IEC 61000-4-2 Level 4 (8K/15K)

Inspection Report

Report	CE/FCC/RoHS
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Optional model

XPTN-9000-43-1GX1GT	1×10/100/1000 Base-T (RJ45) 1×1000 Base-X (SFP)
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