MAIN FEATURES

P/N	XPTN-9000-87-4GX16GP2B-VX
Fixed port	4*1000 Base-X, 16*10/100/1000 Base-T
Management	Yes
PoE Support	Yes
Input Voltage	DC 48-58V
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Thermal methods	Fanless design, natural cooling
MTBF	100,000 hours
Certificates	CCC/CE/FCC/RoHS

SPECIFICATION

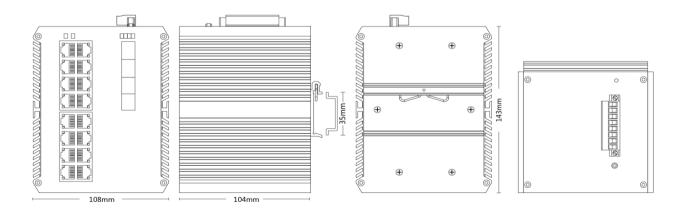|	
Provider Mode Ports	
Business interface (Fixed port)	4*1000 Base-X, 16*10/100/1000 Base-T
Management Port	Support console
Power interface	Phoenix terminal, dual power supply redundancy
LED lights (LED Indicators)	PWR, Link/ACT LED
Cable type&Transmission distance	
Twisted-pair	0-100m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100 Km
Multimode optical fiber	550 m
Network Topology	
Ring topology	Support
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support
Electrical Specifications	
Input voltage	DC 48-58V
Total Power consumption	<386W
PoE Support	
PoE port	1-16
PoE Protocol	802.3af, 802.3at, 802.3bt (1-2 interface Supports up to 90W)
PoE pin assignment	1,2,3,6; bt pins 1-8
PoE management	UnSupport
Layer 2 Switching	
Switching capacity	68G

Packet forwarding rate	50.59 Mpps
MAC address table	16K
VLAN Support	Support 4K
Buffer	12M
Forwarding delay	<10 µs
MDX/MIDX	Support
Flow control	Support
Jumbo Frame	Support 10 Kbytes
Spanning Tree Protocol	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 groups
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
Radius/Mac certification	Support
Port Isolation	Support
Rmon	Support
NTP client	Support
DHCP client	Support
DHCP snooping	Support
Ping/tracert detection	Support
Dying gasp	Support
Optical module DDM	Support
Layer 3 Router	
Static routing	Support 512 static routes
Convergence	
Access Control List (ACL)	Support ACL 500; Support IP standard ACL; Support MAC extended ACL; Support IP extended ACL
Quality of Service (QOS)	Support QoS re-marking and priority mapping; Support SP, WRR queue scheduling; Supports entrance speed limit and exit speed limit; Support flow-based QoS
Management	
Command line (CLI)	Support
Management serial port (Console)	Support
Telnet /SSH	Support
WEB management	Support
Management IP	Support IPV4/IPV6
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
File upgrade	Support
Firmware upgrade	Support

Environmental conditions (Environment)	
Operating temperature	-40°C ~ +75°C The device is tested for 8 hours at temperatures in 85°C
Storage temperature	-40°C ~ +85°C
Relative humidity	5%~95% non-condensing
Thermal methods	Fanless design, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product size	108*104*143 mm
Installation Method	Rail installation, wall-mounted installation
Weight	1.3 Kg
Protection (EMC & INGRESS PROTECTION)	
IP Level	IP50
Surge protection of Power	IEC 61000-4-5 Level X (6KV/6KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level X (6KV/4KV) (10/700us)
RS	IEC 61000-4-3 Level 3 (10V/m)
EFI	IEC 61000-4-4 Level 3 (1V/2V)
CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level4 (30A/m)
DIP	IEC 61000-4-11 Level3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Authentication	Inspection reports and network access licenses from the Ministry of Public Security and the Ministry of Industry and Information Technology
Certificates	CCC/CE/FCC/RoHS
Accessories	
Accessories	Equipment, terminals, certificate, instructions, Adapter (optional)

SIZE AND APPEARANCE

108mm   104mm   35mm   143mm