



## MAIN FEATURES

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

## SPECIFICATION

Provider Mode Ports	
Business interface (Fixed port)	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	-
Multimode optical fiber	-
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
PoE pin assignment	1,2,3,6
PoE management	Support
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	0
<b>Layer 3 Router</b>	
Static routing	Support 512 static routes
<b>Convergence</b>	
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
<b>Management</b>	
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

<b>Environmental conditions (Environment)</b>	
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
<b>Mechanical Dimensions</b>	
Product size	108*104*143mm
Installation Method	Rail installation, wall-mounted installation
Weight	1.3KG
<b>Protection (EMC &amp; INGRESS PROTECTION)</b>	
IP Level	IP50
Surge protection of Power	IEC 61000-4-5 Level X (10KV/10KV) (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
<b>Authentication</b>	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
<b>Accessories</b>	
Accessories	Equipment, terminals, certificate, instructions, Adapter (optional)

## SIZE AND APPEARANCE

