

L2+ Managed Industrial Switch

XPTN-9000-87-4GX16GP-VX
XPTN-9000-87-4GX16GT-VX

Features & Benefits

- Input Voltage: DC12~58V for Non-PoE, DC48~58V for PoE
- Operating Temperature: -40°C~85°C
- Shell: IP50 protection
- Fanless design, low power consumption
- ESD: contact 8KV, air 15KV
- MTBF: 100,000 hours



| Product Introduction

The XBlue-8 Series is L2+ managed switch, specially designed for harsh industrial environments, which provides economic solutions for industrial Ethernet networking. Support wide working temperature -40 °C~85°C .

Redundant DC power supply, adopts rugged aluminum alloy housing, and passed high level tests of EMI/EMC. It also has gone through the strict aging test, meeting the requirements of transportation industry.

| Technical Reference

- IEEE 802.3 CSMA/CD method
- IEEE 802.3 af PoE
- IEEE 802.3 at PoE+
- IEEE 802.3x Flow Control
- IEEE 802 Networks
- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX/FX
- IEEE 802.3z Gigabit SX/LX
- IEEE 802.3ab Gigabit 1000T
- IEEE 802.3bz 2.5GBASE-X
- IEEE 802.3ad port trunk with LACP
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree Protocol
- IEEE 802.1s Multiple Spanning Tree Protocol

- IEEE 802.1p Class of Service
- IEEE 802.1Q VLAN tagging
- IEEE 802.1X Port Authentication Network Control
- IEEE 802.1ab LLDP
- IEEE 802.1ag Connectivity Fault Management(CFM)
- RFC 1112IGMP v1
- RFC 2236 IGMP v2
- RFC 3376IGMP v3
- RFC783 TFTP
- RFC 791 IP
- RFC 792 ICMP
- RFC 2068 HTTP
- RFC 2616 HTTPS
- ITU-T G.8032 ERPS Ring

| EMC & Protection

- IP Level: IP50
- Surge of Power: IEC 61000-4-5 Level X (6KV/6KV) (1.2/50us)
- Surge of Ethernet port: IEC 61000-4-5 Level 4 (4KV/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 Level 4 (30A/m)
- DIP: IEC 61000-4-11 Level 3 (10V)
- ESD: IEC 61000-4-2 Level 4 (8K/15K)
- Free fall: 0.5m

| Hardware Specifications

Model	XPTN-9000-87-4GX16GT-VX	XPTN-9000-87-4GX16GP-VX	XPTN-9000-87-4GX16GP2B-VX
Interface	4*1000 Base-FX + 16*10/100/1000 Base-TX		
Switching Capacity	68Gbps		
Packets Forwarding Rate	50.59Mpps		
MAC Table	16K		
Packet Buffer	12M		
Forwarding Delay	<10us		

Power Supply	Phoenix terminal, DC redundant input		
	Input Voltage: DC12-58V	Input Voltage: DC48-58V	Input Voltage: DC48-58V
	Empty Load Power: <26W		
LED Indicators	PWR, Link/ACT		
PoE	—	1-16 ports support PoE	1-16 ports support PoE
		PoE budget:386W	PoE budget: 386W
		IEEE802.3 af/at standard	IEEE802.3 af/at standard
		PIN Sequence: 1,2+/3,6-	PIN Sequence: 1,2+/3,6-
PoE++	—	—	1-2 ports support PoE++
			PoE budget: 386W
			IEEE802.3 af/at/bt standard
			PIN Sequence:1245+ 3678-
Environment	Working Temperature: −40 °C ~ 85°C		
	Storage Temperature: −40 °C ~ 85°C		
	Working Humidity: 5%~95% non-condensing		
	Storage Humidity: 5%~95% non-condensing		
SIZE(W*D*H)	143*104*90mm		
Weight	1.2KG	1.24KG	1.24KG
Installation Method	Din Rail		
Certificate Compliance	CE/FCC/RoHS		
MTBF	100,000 hours		

Software Specifications

Model	XPTN-9000-87-4GX16GT-VX	XPTN-9000-87-4GX16GP-VX	XPTN-9000-87-4GX16GP2B-VX
VLAN	Support 4K IEEE 802.1Q VLAN		
	Support protocol VLAN		
	Support GARP		
LACP	Support IEEE 802.3ad		
	Support static LACP		
	Support dynamic LACP		

Model	XPTN-9000-87-4GX16GT-VX	XPTN-9000-87-4GX16GP-VX	XPTN-9000-87-4GX16GP2B-VX
STP	Support IEEE 802.1d STP		
	Support IEEE 802.1w RSTP		
	Support IEEE 802.1s MSTP		
ERPS	Support ITUT G.8032 protocol		
Port	Support Jumbo Frame		
	Support IEEE802.3X Flow Control		
	Support port statistics		
	Support Auto-MDI/MDIX		
Multicast	Support IGMP Snooping		
	Support MVR		
ACL	Support MAC Standard/Extended ACL		
	Support IPv4 Standard/Extended ACL		
	Support IPv6 Standard/Extended ACL		
QoS	Support QoS Re-marking		
	Support Port Trust		
	Support Port Rate Limiting		
	Support Egress Queue Rate Limiting		
DHCP	Support DHCP Snooping		
	Support DHCP Client		
	Support DHCP Server		
L3 Route	IPv4 Management Address		
	IPV6 Management Address		
	Static IPv4 Route		
	Static IPv6 Route		
	ARP		
	Loopback Interface		
Security	Support IEEE802.1X		
	Support MAC-Based IEEE802.1X		
	Support WEB-Based IEEE802.1X		
	IP Source Guard		
	Port Security		
	Port Isolation		

Model	XPTN-9000-87-4GX16GT-VX	XPTN-9000-87-4GX16GP-VX	XPTN-9000-87-4GX16GP2B-VX
Diagnosis	Support Console Logs		
	Support RAM logs		
	Support Flash logs		
	Support Port Mirroring(1:1,N:1)		
	Support Ping		
	Support Traceroute		
	Support Cable Test		
	Support Optical Module Information		
Management	Support User Management		
	Support System Log		
	Support Firmware Upgrade		
	Support File Upgrade		
	Support SNMP Management		
	Support WEB Management		
	Support Console		
	Support CLI		
	Support Telnet/SSH		

| Product Dimension

