L2+ Managed Industrial Switch

XPTN-9000-77-2GX8GP-M
XPTN-9000-77-2GX8GT-M



Features & Benifits

- Input Voltage: DC12~58V for Non-PoE, DC48~58V for PoE
- Operating Temperature: -40℃~75℃
- Shell: IP40 protection
- Fanless design
- ESD: contact 8KV, air 15KV
- MTBF: 100,000 hours

| Product Introduction

The XPTN-9000-77 Series is L2+ managed switch, specially designed for harsh industrial environments, which provids economic solutions for industrial Ethernet networking. Support wide working temperature –40℃~75℃.

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 harsh environment applications.

| 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 802.3ad 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 1112 IGMP v1
- RFC 2236 IGMP v2
- RFC 3376 IGMP 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: IP40
- 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-9000-77-2GX8GT-M	XPTN-9000-77-2GX8GP-M
Interface	2*1000M SFP ports + 8*10/100/1000M RJ45 ports	
Switching	20Gbps	
Packets Forwarding Rate	14.88Mpps	
MAC	8K	
Port Buffer	4.1M	
Forwarding Delay	<10us	

Power Supply	Phenix terminal, DC redundant input	
	Input Voltage: DC12-58V	Input Voltage: DC48-58V
	Empty Load Power: <10W	
LED Indicators	PWR, NMC,Link/ACT LED	
PoE	—	1-8 ports support PoE
		PoE budget: 240W
		IEEE802.3 af/at standard
		PIN Sequence: 1,2+/3,6-
Environment	Working Temperature: –40℃ ~ 75℃ Storage Temperature: –40℃ ~ 85℃ Working Humidity: 5%~95% non-condensing Storage Humidity: 5%~95% non-condensing	
SIZE(W*D*H)	143*104*51.5mm	
Weight	0.66KG	0.68KG
Installation Method	DIN-rail	
Certificate Compliance	CE/FCC/RoHS	
MTBF	100,000 hours	

Software Specifications

Model	XPTN-9000-2GX8GT-M	XPTN-9000-2GX8GP-M
VLAN	Support 4K IEEE 802.3Q VLAN	
	Support protocol VLAN	
	Support MAC VLAN	
	Support voice VLAN	
	Support video VLAN	
	Support GVRP	

Model	XPTN-9000-2GX8GT-M	XPTN-9000-2GX8GP-M
LACP	Support IEEE 802.3ad	
	Support static LACP	
	Support dynamic LACP	
STP	Support IEEE 802.1d STP	
	Support IEEE 802.1w RSTP	
	Support IEEE 802.1s MSTP	
	Spanning Tree BPDU Filtering	
	Spanning Tree BPDU Guard	
	Spanning Tree Edge Port	
LLDP	Support IEEE 802.1ab protocol	
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 MLD 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	
	Support SP, WRR scheduling algorithms	
	Support CoS, DSCP, IP Priority Mapping	
DHCP	DHCP Interface Priority IP Binding	
	Support DHCP Snooping	
	Support DHCP Client	

Model	XPTN-9000-2GX8GT-M	XPTN-9000-2GX8GP-M
DHCP	Support DHCP Server	
L3 Route	IPv4 Management Address	
	IPV6 Management Address	
	Static IPv4 Route	
	Static IPv6 Route	
	ARP	
	Loopback Interface	
Security	SupportManagement Channel Configuration	
	Support AAA	
	Support IEEE802.1X	
	Support MAC-Based IEEE802.1X	
	Support WEB-Based IEEE802.1X	
	Denial of Service Protection	
	Dynamic ARP Inspection(DAI)	
	IP Source Guard	
	Port Security	
	Port Isolation	
DNS	Support DNS Client	
	Support DNS Server	
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 UDLD protocol	
	Support Optical Module Information	
Management	Support User Management	
	Support System Log	

Model	XPTN-9000-2GX8GT-M	XPTN-9000-2GX8GP-M
Management	Support Firmware Upgrade	
	Support File Upgrade	
	Support SNMP	
	Support WEB Management	
	Support Console	
	Support CLI	
	Support Telnet/SSH	
	Support SNTP Client	
	Support RMON	
EEE	Support IEEE802.3az	

Product Dimension

