



## MAIN FEATURES

|                        |                                      |
|------------------------|--------------------------------------|
| <b>P/N</b>             | XPTN-9000-87-2GX16GP2B-VX            |
| <b>Fixed port</b>      | 2*1000 Base-X, 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)  | 2*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 single 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 $\mu$ s   |
| 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   |
| <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*143 mm  |
| Installation Method                              | Rail installation, wall-mounted installation  |
| Weight   | 1.3 Kg  |
| <b>Protection (EMC &amp; INGRESS PROTECTION)</b> |   |
| 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  |
| <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

