

Product Specifications

Model:

XT-2700G-L2 -Dual AC power supply Redundancy
Hot Swappable - 24 Ports Gigabit Ethernet (1GE) POE++
4* 10 GE uplink ports



Model and version

Model: XT-2700G-L2- Dual AC power supply Redundancy - Hot Swappable

Version : V1.0

Product Overview and Features

Product Overview

The XonTel XT-2700G-L2 -Dual AC power supply Redundancy - Hot swappable is a high-performance, high-speed gigabit managed switch that provides 24 Ports Giga Ethernet (1GE) POE ++ with 4* 10 GE uplink Modules

AC Dual Power Supply Redundancy: The equipment has two built-in independent power supplies sharing the same chassis structure, which cannot be externally plugged in or replaced. During normal operation, both power supply units are online simultaneously and work together to provide power. The system automatically distributes the load and provides stable power to the entire unit and ports. If one power supply unit experiences an input power failure, internal fault, or other abnormal situation, the other power supply unit can seamlessly take over the entire load, ensuring continuous operation of the equipment without power outages, restarts, or service interruptions.

Product Features

- 24 RJ45 ports with speeds of 10M/100M /1000Mbps , and 4* 10 GE uplink Modules
- Supports 52V PoE power supply compliant with 802.3af/at /bt standards, with a maximum

power of 90W per port .

- Die-cast metal casing for efficient heat dissipation and durability.
- Standard 400W, meets safety regulations, built-in power supply, redundant power supply.
- Supports lightning surge protection.
- Supports local web management.

Technical parameters

Specifications	
model	XT-2700G -L2-Dual AC power supply Redundancy - Hot Swappable
Main control chip solution	RTL9301+RTL8218D*2
standard	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3ae 10GBASE-SR/LR 10 Gigabit Ethernet IEEE 802.3az half-duplex and full-duplex
Fixed port	24 10M/100M /1000Mbps RJ45 downlink ports 1-2 supports 52V PoE power supply, compliant with 802.3af/at /bt standards, with a maximum power of 90W per port . 3-24 supports 52V PoE power supply, compliant with 802.3af/at standard, with a maximum power of 30W per port . 4 x 10000Mbps uplink 10GE ports 1 Connector 1 Reset button
Fixed port attribute	Supports 10M/100M /1000/10000Mbps transmission rates Supports half-duplex, full-duplex, and auto-negotiation working modes. Supports MDI/MDI-X adaptive
PoE	The power output is adaptive and supports IEEE 802.3af (15.4W), IEEE 802.3at (30W), and IEEE 802.3bt (90W) . AF/AT power supply wiring sequence: 1/2+ 3/6- BT power supply wiring sequence: 12+ 45+ ; 36- 78-

Packet forwarding rate	95.23 Mpps
Transmission mode	Store-and-forward mode
Switching capacity	128 Gbps
MAC address table	Supports automatic address learning and automatic aging. Maximum supported MAC addresses : 16K
Status indicator lights	PWR (Green Light): Green light stays on when powered on, and turns off when not powered on. SYS (Green Light): The green light flashes when the system starts, turns orange after going to the cloud, stays on when a fault is detected, and turns off when the system is not running. Each port has one Link LED : solid green when Linked, flashing green when Act is activated . One PoE LED per port : Green is always on when PoE is output . Each optical port has one LED : green is solid when linked, and green flashes when activated .
Power consumption	<15W (excluding PoE output)
power supply	Input voltage: AC 100-240V; Total maximum output power: 52V/7.6A 400W Dual AC power supply redundancy design: Built-in dual power supplies ensure uninterrupted system operation when one power module fails, with the other power module taking over without interruption Hot Swappable
Network cable type	10Base-T: Cat3, 4, 5 or above UTP (≤100m) 100Base-TX: Cat5 or higher UTP (≤100m) 1000Base-T: Cat5e or higher UTP/STP (≤100m) SFP+: Supports 10G single-mode and multi-mode optical modules, with a maximum distance of ≤120km (depending on the optical module).
Product Dimensions	Product dimensions: 440*290 * 45mm Packaging dimensions: 515*375 *95mm
Lightning /Surge Protection Level	6KV 8/20us; IP30
Work environment	Operating temperature: -10 °C ~ + 55 °C; Storage temperature: -40°C ~ +70°C; Humidity: 5% ~ 95% (non-condensing)

Interface diagram



AC-1 Dual Power Supply Redundancy **AC-2**
Hot Swappable

Software Functions

Port Management	
Port closed	support
Port speed	Supports auto-negotiation: 10000, 2500, 1000, 100, half 100, 100, half 10.
Flow control	Supports full-duplex IEEE 802.3x and half-duplex back pressure.
Storm Control	Supports rate limiting for broadcast, multicast, and DLF packets.
Storm constraint	It supports detecting broadcast, multicast, or unicast packets on a port, and shuts down the port if the rate exceeds a threshold.
Port mirroring	support
Port rate limiting	Supports port inbound and outbound rate limiting
Link Aggregation	Supports manual link aggregation Supports LACP dynamic link aggregation Supports up to 32 aggregation groups, with a maximum of 8 ports per group. Supports routing policies based on source MAC, destination MAC, source and destination MAC, source IP, destination IP, and source and destination IP.
Port isolation	support
Giant Frame	Supports data packets up to 12KB
Redundant ports	support
DDM for fiber optic ports	support
MAC	
MAC table capacity	32K
MAC table management	support
Forwarding mode	Support IVL forwarding mode
Static MAC address	support
MAC address binding	support
MAC address filtering	support
MAC Learning Control	MAC learning based on port control
VLAN	
Number of VLANs	16K
VLAN based on 802.1Q	support

MAC-based VLANs	support
IP-based VLANs	support
Protocol-based VLANs	support
PVLAN	support
Voice VLAN	support
VLAN mapping	Supports 1:1 mapping
QinQ	Supports basic QinQ Supports flexible QinQ
GVRP	support
reliability	
Spanning Tree Protocol	Supports STP/RSTP/MSTP
Port loop detection	support
EAPS	Supports RFC3619
ERPS	Supports G.8032/Y.1344
LLDP	Supports LLDP and LLDP-MED
UDLD	Fully compatible with Cisco's UDLD protocol
VLLP (VRRP Layer 2 Loop Protection)	Supported, for use only with VRRP
Multicast	
Static multicast MAC address	support
IGMP sniffing	Supports IGMP listening v1/v2/v3 Support IGMP query Supports IGMP snooping filters
MVR	support
GMRP	support
IGMP	Supports IGMP v1/v2/v3
PIM-SM	support
ACL	
Standard ACL based on IP	support
IP-based extended ACL	support
MAC-based IP ACL	support
ACL based on MAC ARP	support
ACL port filtering	support
Time-based ACLs	support
QoS	
Port queue number	8
Port queue scheduling mode	Supports WRR, WFQ, SP
Port-based classification	support
Classification based on 802.1p	support
DSCP-based classification	support
ACL-based classification	support

QoS policy	Supports mapping packets to queues Supports COS or DSCP relabeling Support for rate limiting of data streams Supports data traffic statistics Supports data stream mirroring
DHCP	
DHCP client	support
DHCP snooping	support
DHCP Relay	support
DHCP server	support
DHCP option 82	support
manage	
CLI Management	Supports console, Telnet, and SSH Supports multiple Telnet connections based on IPv4 and IPv6. Supports multiple SSH connections based on IPv4 and IPv6.
Web Management	Supports HTTP based on IPv4 and IPv6 Supports HTTPS based on IPv4 and IPv6
SNMP Management	Supports SNMP v1, v2c, v3 Supports SNMP traps Supports a large number of standard and dedicated MIBs Supports SNMP and Trap based on IPv4 and IPv6
User Management	Supports multi-user management
TACACS+	Supports remote username and password authentication for switches via TACACS+ server. Supports password encryption in PAP and CHAP modes Supports TACACS+ server authorization switch commands Supports TACACS+ based on IPv4 and IPv6
Log Management	Supports local log management Support SYSLOG
RMON	Supports RMON groups 1, 2, 3 and 9
Cluster Management	Support NDP Support NTDP Supports manual and automatic joining of cluster groups Supports unified cluster management
configuration file	Supports uploading and downloading configuration files. Supports TFTP transfer based on IPv4 and IPv6.
Upgrade software	Supports TFTP transfer based on IPv4 and IPv6.
Clock Management	Supports local clock management Support SNTP
Safety	

Switch management security	Supports enabling and disabling Telnet, SSH, HTTP, HTTPS, and SNMP services. Supports Telnet, SSH, HTTP, HTTPS, and SNMP services to bind to standard IP ACLs. Supports limiting the number of Telnet and SSH connections.
CPU protection	The switch's own security features can prevent large data streams from attacking the switch itself.
AAA	Supports 802.1x Supports RADIUS Authentication, authorization, and accounting are supported through the RADIUS server. Supports port-based and MAC-based 802.1x. Supports 802.1X guest VLAN
IP MAC binding	Supports static configuration of IP, MAC, and port binding.
DHCP snooping	Supports dynamic ARP binding to prevent ARP spoofing. Supports dynamic IP, MAC and port binding Supports fixed port connection to DHCP server to prevent unauthorized DHCP server connections.
Preventing ARP spoofing	Supports manual configuration of MAC ARP-based ACL rules to prevent ARP spoofing. Supports DHCP snooping. During the process of obtaining an IP address via DHCP, the switch dynamically binds ARP to the port to prevent ARP spoofing.
POE	
PoE chip support	Models include MAX5980, LTC4259, LTC4271, TPS23851, TPS23861, TPS22880, TPS 23881, IP808, PD69100/69108, PD69200/69208, and Hasivo Poe.
Switch control	Supports PoE power supply and shutdown on the port.
Power control	Supports setting total power
Other advanced features	Supports PoE scheduling policies, online PD query, etc.
IPv6	
IPv4/IPv6 dual protocol stack	support
IPv6 address	Supports manual address configuration and stateless address autoconfiguration.
IPv6 Neighbor Discovery	support
ICMPv6	support
IPv6 Path MTU Discovery	support
debug	
PING	support
PING6	support
Tracing routes	support

Telnet client	Supports Telnet clients based on IPv4 and IPv6.
SSH client	Supports SSH clients based on IPv4 and IPv6.

Attachment List

Main unit *2 Power cord * 1 Anti-slip foot mats*1 set Ear loops *1 pair, instruction manual sticker

*1, warranty card *1