

X1550P-48T4S



OVERVIEW

X1550P-48T4S has L2+ network management function, support IPV4 static route forwarding, complete security protection mechanism, ACL/QoS policy and rich VLAN functions, easy to manage and maintain. It supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms), It supports ERPS ring network function (convergence time<20ms) to improve link backup and network reliability to ensure uninterrupted communication of important applications.

According to actual application needs, Routing address management, port management, port flow control, VLAN division, IGMP, security policy and other application service configurations are performed through Web, CLI, SNMP, Telnet and other network management methods. The shell is made of steel alloy, which has excellent field environmental adaptability (including mechanical stability, climate environment adaptability, electromagnetic environment adaptability, etc.), low power consumption and no fan.

It is suitable for scenarios such as intelligent transportation, rail transit, electric power industry, mining, petroleum, shipping, metallurgy and green energy construction to establish a cost-effective, stable and reliable communication network.

FEATURE

High-Speed Connectivity

48x10/100/1000M RJ45 4x1G SFP.

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Auto MDI/MDIX Support

Automatically detects and configures the connection type, simplifying installation and reducing configuration errors.

Integrated Status Monitoring

Integrated indicator lights provide real-time monitoring of the operating status, assisting in quick fault analysis and troubleshooting.

Security

802.1X authentication

Port isolation, storm control

IP-MAC-VLAN-Port binding.

Stable and reliable

CCC, CE, FCC, RoHS

Low power consumption

The User-friendly panel can show the device status through the LED indicator of PWR, SYS, Link, L/A.

Management

Web management, CLI command line (Console, Telnet), SNMP (V1/V2/V3).

SPECIFICATION

X1550P-48T4S	
Fixed Port	48x10/100/1000M PoE port 4x1000M SFP
PoE Ports	1-4 port supports IEEE802.3af/at/poe++/bt, max 90W PoE out 5-48 port supports IEEE802.3af/at, max 30W/port, PoE out
Console port	1xconsole port
Reset Key	1
PoE Pin	Af/at/bt: 12+ 45+; 36- 78- Af/at: 12+ 36-
PoE Bridge	max 600W
CPU	MIPS-34Kc 700MHz
DDR	2G DDR3
FLASH	256MBytes
RAM	256MBytes
Bandwidth	104G/256Gbps
Packet Forwarding	77.38Mpps
MAC	16K
Buffer	12Mbit SRAM Packet Buffer
Jumbo Frame	Jumbo frame up to 12KB

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VLAN Address	4K
Transmission Distance	10BASE-T: Cat3,4,5 UTP($\leq 250m$) 100BASE-TX: Cat5 or later UTP($\leq 150m$) 1000BASE-TX: Cat6 or later UTP($\leq 150m$) SFP: 1000M single and multimode optical module with maximum distance $\leq 120km$ (depending on the optical module)
LED Indicator	PWR: Power LED SYS: System LED 1-48: 10/100、1000M Network connection indicator 49-52: SFP connection indicator
Power	Built-in power AC: 100-240Vac 50-60Hz 7.5A max 625W
Operating environment	Operating temperature: $-10^{\circ}C \sim 55^{\circ}C$; Storage temperature: $-40^{\circ}C \sim 75^{\circ}C$; Operating humidity: 5% ~ 90% RH Non coagulation Storage humidity: 5% ~ 95% RH Non coagulation
Size (LxWxH)	440x360x45mm 553x403x93mm
N.W/G.W (kg)	5.6kg/6.4kg
Lightning Protection level	6KV 8/20us; IP30
Installation	Desktop (optional wall +machine hangers)
Certificate	CE-EMC EN55032; CE-LVD EN62368; FCC Part 15 Class B; RoHS;
Warranty	Whole device for 1 year(Accessories not included)
Software	
Port Management	Enable/Disable Port Speed, Duplex, MTU Setting Flow-control Port Information Check
Port Mirroring	Supports both side-way port mirroring
Port Speed Limit	Supports port-based input / output bandwidth management
Port Isolation	Support the downlink port isolation, and can communicate with the uplink port
Storm Suppression	Supports unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth regulation and storm filtering
Link Aggregation	Support static manual aggregation Support LACP dynamic aggregation
VLAN	Access Trunk Hybrid Support port, protocol, MAC-based VLAN partitioning

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	Support GVRP dynamic VLAN registration Voice VLAN
MAC	Support static addition, deletion MAC address learning limit Support dynamic aging time setting
Spanning tree	Support STP spanning tree protocol Supports RSTP Rapid Spanning Tree Protocol Supports MSTP Rapid Spanning Tree Protocol
Multicast	Support static addition, deletion IGMP-snooping Support MLD-Snooping Support v1/2/3 dynamic multicast monitor
DDM	Support SFP/SFP+DDM
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port
QoS	Based on 802.1p (COS) classification Based on DSCP classification Classification based on source IP, destination IP, and port number Support SP, WRR scheduling strategy Support flow rate limit CAR
LLDP	Support LLDP link discovery protocol
User settings	Add/delete users
Log	User login, operation, status, events
Anti-attack	DOS defense Support CPU protection and limits the rate of sending CPU packets ARP binding (IP, MAC, PORT binding)
Certification	Support 802.1x port authentication Support AAA certification
Network diagnosis	Support ping, telnet, trace
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.
CLI	Support serial port command line management
SSH	Support SSHv1/2 remote management
TELNET	Support telnet remote management
WEB	Support Layer 2 settings, Layer 2 and Layer 3 monitor
SNMP	SNMP V1/V2/V3 Support trap: ColdStart, WarmStart, LinkDown, LinkUp
RMON	Support RMON v1
Other functions	Support DHCP Snooping, Option82, DHCP Server Support dynamic ARP detection Support TACACS+ certification

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Support DNS certification
Support port security settings
Support MVR protocol
Support cable detection VCT function
Support UDLD protocol