12 10G SFP+ Fiber ports + 8 10/100/1000M Copper RJ45 ports Managed Ethernet Fiber Switch

Overview

LNK-XS1208 Series 10Gigabit Data Center Switch is layer 2 non-blocking switch with Broadcom chip. Providing 258Gbps switching capacity and 192Mpps forwarding performance, L2 / L3 full wire-speed forwarding. Its flexible networking capability ensures the stability of the network and the balance of the load link. With the modular design, it provides 12 10G SFP+ optical ports, 8 10/100/1000M RJ45 electrical ports, 1 Console port, 1 OOB management port, which offer enough bandwidth for data aggregation and data exchange. And in order to flexibly respond to the network requirements, users can select appropriate 10G ports according to their needs. With high bandwidth and low latency, pipe network., LNK-XS1208 located in density of the next generation of data center and cloud computing network access, can also be used for large Internet cafes, the core of enterprise network, metropolitan area network, or aggregation.

Feature

Remarkable performance

（1）With 258Gbps backplane bandwidth, the industry the highest performance (1U TOR);

（2）Hardware routing, wire speed packet rate reached 192Mpps, L2 / L3 forward full speed;

（3）Able to be deployed in the Metropolitan Area Network and provide several last kilometer technology.

Safe and Reliable

（1）Provide DOS, DDOS, spoofing and virus defense;

（2）Support IEEE802.1x, provide port-based user authentication, network shield, safety control, and policy control technology;

（3）Restrict the maximum number of hosts connected with the port, multi-binding Ethernet interface , increasing bandwidth and system redundancy;

（4）Powerful ACL, support L2-L4 data filtering;

（5）Policy control list and flow regulation.

Convenient in operation and maintenance

（1）Support flexible port configuration; （2）
Management support with Web, SNMP and telnet;

（3）Support XModem protocol, use TFTP/ZMODEM to software upgrading and BootRom upgrading;

（4）Support SFP+, also backwards compatible XFP;

（5）Enter or exit low-power condition from PHY.

Powerful Flow and Broadcast Management

1. Automatically detect and control broadcast storm, support IGMP packets detection, effectively limit the flooding of broadcast packets;

2. Support Ethernet interface taking 1M as the step length for rate limiting.

3. Support full duplex mode and half duplex mode flow control;

4. Support IP multicast and QoS.

Product's Technical Parameters

Product model	(12+8+1 10Gigabit Data Center Switch)
Basic Characteristics	
Fixed port	12 10G SFP+ optical ports + 8 10/100/1000M RJ45 copper ports
Console port	1
Backplane bandwidth	258Gbps
Packet forwarding rate	192Mpps
Jumbo frames	12k bytes
Transfer mode	Support store-forward mode and cut-through mode
IPv4/IPv6 route	512/256
MAC address table	16K
Packet Buffer	2MB
VLAN ID	4K
Memory capacity	512MB DDR3 SDRAM
Flash memory capacity	8MB
CPU	600 MHz ARM Cortex-A9 single-core processor
Soft Specification	
Security feature	IP+MAC+PORT+VLAN binding ARP inspection DOS defend Port protect IP Source Guard binding
VLAN	Port based VLAN

	802.1Q VLAN
	IP based VLAN
	MAC based VLAN
MAC address table	Static MAC address table
	Dynamic MAC address table
Storm Control	Broadcast suppression
	Multicast suppression
	DLF suppression
	Limiting rate
Traffic Control	Half-duplex control based on the back pressure type
	Full-duplex control based on the PAUSE frame
Port Mirror	Support port mirror
Port management	General setting
	Port counting
	Config port
	Port trunk
	Port-isolation
QoS	IEEE 802.1Q Congestion mechanism
	Each port has 8 send queue mapping to 8 802.1p priority
IP services	Ping detection, DHCP Snooping
Spanning Tree Protocol	MSTP(802.1s), STP, RSTP
Multicast management	IGMP Snooping frame
System management	Support SNMP v1/v2, Support Console
	Support TELNET, Support WEB
Remote Upgrade	Support version upgrading via web Support version upgrading via local
Physical Characteristics	
External Dimension	440mm*285mm*44mm
Power Supply Features	AC: 110V～260V
Power	≤100W
Indicator light	Power indicator, system, connection/sending and receiving instructions
Environment temperature/humidity	Operating temperature: 0°C～50°C (0m～1800m) ;
	Storage temperature: -40°C～+70°C;
	Relative humidity: 5%RH～95%RH, Non-condensing.