16 Ports Layer 2/2+ Data Center Switch with 8x 10G SFP+ ports

Lightem 10Gigabit Data Center Switch LT16-8SFP+ is a standard layer 2/Layer 2+ nonblocking switch. It provides 8 10G SFP+ optical ports & 8 10/100/1000M RJ45 electrical ports. The flexible networking capability ensures the stability of the network and the balance of the load link. It is located in high-density access of the data center and cloud computing network in the next generation, and it can also be used for the center or aggregation of large Internet cafes, enterprise network, metropolitan area network.


FEATURES

- 178G backplane bandwidth
- 8x 10G SFP+ optical ports, 8x 10/100/1000M RJ45 adaptive electrical ports
- 1x Console Port, 1x OOB Management Port
- Hardware routing, wire-speed layer 2/layer 2+ switching packet forwarding rate of 132432Mpps
- Provide DOS, DDOS, spoofing and virus defense
- Support IEEE802.1x, provide port-based user authentication, network shield, safety control, and policy control technology
- Restrict the maximum number of hosts connected with the port, multi-binding Ethernet interface , increasing bandwidth and system redundancy
- Powerful ACL, support for L2-L2+ layer data filtering
- Policy control list, flow regulation
- Support flexible port configuration
- Network management via Web, SNMP
- Enter or exit low-power condition from PHY
- Support IGMP message detection, effectively limit the flooding of broadcast message.
- Support full duplex mode and half duplex mode flow control
- Support Ethernet interface taking 1M as the step length for rate limiting
- IP multicast and QoS

SPECIFICATIONS

16 Ports Layer 2/2+ Data Center Switch with 8x 10G SFP+ ports	
Basic characteristics	
Fixed Port	8x 10G SFP+ optical ports, 8x 10/100/1000M RJ45 adaptive electrical ports
Console Port	1
OOB Management Port	1
Backplane Capacity	178Gbps
Packet Forwarding Rate	132.432Mbps
Jumbo Frames	16356bytes
Transfer Mode	Support store-forward mode and cut-through mode
IPv4/IPv6 Route	6k / 8k
MAC Address Table	96K
Packet Buffer	4MB
VLAN ID	4K
Flash Memory Capacity	8MB
Memory Capacity	512MB DDR3 SDRAM
Soft Specification	
Security Feature	IP+MAC+PORT+VLAN binding
	ARP inspection; DOS prevention
	Port protection
	IP source port protection

VLAN	Port based VLAN; 802.1Q 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
Flow Control	Half-duplex control based on the back pressure type
	Full-duplex control based on the PAUSE frame
Port Mirroring	Support port mirroring
Port Management	General setting; Port counting; Configuring port; Port trunking; Port-isolation
QoS	IEEE 802.1Q Congestion mechanism
	Each port has 8 transmitting queues mapping 802.1p 8 priority
IP Services	Ping dectection; DHCP Snooping
Spanning Tree	MSTP(802.1s), STP, RSTP
Multicast Management	IGMP Snooping multicasting packets detection
System Management	Support SNMP v1/v2
	Support Console
	Support TELNET
	Support WEB interface
Remote Upgrading	Support version upgrading via web
	Support version upgrading via local
Physical Characteristics	
Dimmension	440mm × 280mm × 44mm
Power supply	AC 90V ~ 290V , DC -38.4V ~ -72V
Operating temperature	0°C ~ 50°C (0m ~ 1800m)
Operating humidity	5% ~ 95%, Non-condensing

FUNCTIONAL DIAGRAM

Web Manageable
10/100/1000M x8
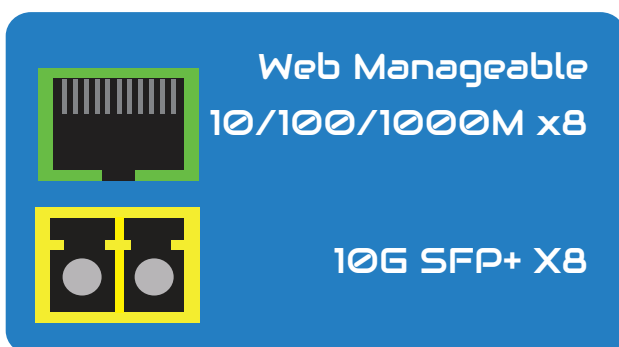
10G SFP+ X8

ORDERING INFORMATION

PN	DESCRIPTION
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