

## 32 Ports L3 Managed Ethernet Switch with 16x10G RJ45 + 12x 10G SFP+ + 4x 25G SFP28 ports

Lightem LT32-12SFP+ is a s managed ethernet switch with 16x 10G RJ45, 12x 10G SFP+ and 4x 25G SFP28 ports . It provides high-capacity switching capability, perfect security control strategy and CPU protection strategy (CPU protect policy) to improve fault tolerance, ensure stable operation of the network and load balancing of links, and the device supports automatic DoS attack defense and SNMP, IEEE 802.1, Spanning tree and rapid spanning tree protocols, link aggregation.



### FEATURES

- 16x10G RJ45 + 12x 10G SFP+ + 4x 25G SFP28 ports
- 760GBackplane Bandwidth
- Forwarding rate reaches 56544Mpps
- Ethernet/IEEE802.3 packet size (64 bytes to 1522 bytes)
- Jumbo packets up to 9216 bytes
- Provide DOS, distributed denial of service, spoofing and virus defense
- Support IEEE802.1x, provide port-based user authentication, security control technology and policy control list
- Policy control list, traffic regulation
- It can be managed by various methods such as Web and SNMP
- Support XModem protocol, can upgrade software and BootRom through TFTP/ZMODEM
- Support flow control in full-duplex mode and half-duplex mode
- Support the rate limit of the Ethernet interface with a step size of 1M
- Automatically detect and suppress broadcast storms, support the detection of IGMP messages, and effectively limit the flooding of broadcast messages
- Limit the maximum number of hosts connected to the port, and perform multi-channel binding on the Ethernet interface to increase bandwidth and system redundancy

### SPECIFICATIONS

Fixed Port	16x 10G RJ45 , 12x 10G SFP+, 4x 25G SFP28 , 1 OOB management port
Backplane Bandwidth	760Gbps
Packet Forwarding rate	565.44 Mpps
Flash capacity	32MB
Memory Capacity	256M
MAC Address Table	32768
Dimension	440x400x44mm
Power	AC 110-240V self-adaptive, 47-63Hz, support dual AC power supply (selected before leaving the factory)
Indicator Light	<130W
Ambient Temperature/Humidity	Power indicator, system indicator
Layer 2 Management Function	
Port Settings	Port auto-negotiation , flow control , port mirroring, Traffic Statistics
Link Aggregation	static link aggregation , load balancing , link backup , source/destination based MAC Algorithm , source/destination based IP Algorithm , Dynamic Link Aggregation
MAC	Aging time setting , dynamicMACaddress management , MACAddress Binding and Filtering , static MAC address
VLAN	802.1q Label VLAN , based on MAC address of VLAN , protocol based VLAN
Spanning tree	802.1d Spanning Tree Protocol (STP) , 802.1wRapid Spanning Tree Protocol (RSTP) , 802.1sMultiple Spanning Tree Protocol (MSTP)
ERPS	Ethernet Ring Protection
LLDP	Link Layer Discovery Protocol
Multicast Management	IGMPv1/v2/, IGMP Snooping . Fast Leave , IGMP statistics

L3 Management Function	For IPV4/6
Static Route	Ripv1/2
RIPng	Rip for ipv6
OSPF	OSPF v1/2 for ipv4
OSPF6	OSPFv3 for ipv6
ISIS	ISIS
BGP	BGP+
PIM	SM/SSM
VRRP	V1/2 for ipv4 , V3 for ipv6
Service quality	4/8Priority Queue (Basic Chip) , port-basedCOS , based on 802.1 pof COS , based on DSC Pof COS, Priority rules:SP, WRR, SP+WRR , Storm control (broadcast, multicast, unknown unicast) , Ingress/egress rate limiting based on ports and flows
Security function	Port security , port isolation , loopback detection , access control list , Manage session timeouts , based onIPofWeb-GUIrestriction of visit
Management function	SNMPv1/v2c/v3 , Public MIBs , SSH server , Web-GUI (http/https) , Telnet , DHCPserve , firmwareWEBpage upgrade , Configuration saving and uploading , ONVIF discovery, NTP Client
IPv6 support function	Dual IPv4/IPv6 stack , Multicast Listener Discovery Protocol (MLD) IPv6Neighbor Discovery (ND) , path maximum transmission unit (MTU)Find , InternetControl Message Protocol (ICMP)Version6 , TCPv6/UDPv6 , Ping6 , Tracert6 Telnet (v6) , Http/Https , static route , IPv6 TFTP
Maintenance function	CPUmonitor , memory monitor , system log , Pingtest , Tracerttest
Certified	ROHS certification , European Community (CE) Electromagnetic Compatibility Directive: This equipment has been tested and found to comply with the protection requirements of European Emission Standard EN55022/EN60555-2 and the Generic European Immunity Standard EN50082-1.
EMC	EN55022(1988)/CISPR-22(1985), class A EN60555-2(1995), class A EN60555-3 , IEC1000-4-2(1995), 4K V CD, 8KV, AD , IEC1000-4-3(1995), 3V/m IEC1000-4-4(1995), 1KV – (power line), 0.5KV – (signal line)

## FUNCTIONAL DIAGRAM



## ORDERING INFORMATION

PN	DESCRIPTION
LT32-12SFP+	32 Ports Managed Ethernet Switch with 16x10G RJ45 + 12x 10G SFP+ + 4x 25G SFP28 ports