

TELECOM/DATACOM SYSTEM

28 Ports 10/100/1000M Gigabit Ethernet Switch with 18x 1G SFP + 6x RJ45/SFP Combo + 4x 10G SFP+ Ports

Lightem LT28-18SFP is gigabit Ethernet Switch with 18 x1G SFP + 6x 10/ 100 / 1000M RJ45/SFP combo + 4x10G SFP+ ports. Provided high-capacity switching capabilities, security control strategies and CPU protection policies. Improve fault tolerance, ensure stable network operation and link load balancing. This switches adopt modular design, providing improved aggregation and core data exchange, provide enough bandwidth.



FEATURES

- 128G backplane bandwidth
- 18x 1G SFP + 6x RJ45/SFP Combo + 4x 10G SFP+
- Routing, wire-speed Layer 3 switching packet forwarding rate up to 95.232Mpps
- Can be deployed in the metro core and provides several last 1km technologies
- DDoS, distributed denial of service, deception and virus defense
- IEEE802.1x, provide port-based user authentication, network shield technology, security control technology and policy control list
- Maximum number of hosts connected to the port, and bind the Ethernet interface to multiple channels to increase bandwidth and system redundancy
- ACL, support L2-L4 layer data filtering, managed through Web, SNMP and other methods
- Policy control list, traffic regulation
- Support stacking of multiple devices, using a unified IP address for centralized management, saving address resources
- XModem protocol, can upgrade software and BootRom through TFTP/ZMODEM
- Provides redundant power supply, fast failover and fast connection, which greatly increases system reliability
- Detect and suppress broadcast storms, support the detection of IGMP packets, and effectively limit the flooding of broadcast packets
- Flow control in full duplex mode and half duplex mode
- Ethernet interface rate limit in steps of 1M
- Buffer management, support 802.1p protocol, 8 send queues per port map 8 priorities of 802.1p

SPECIFICATIONS

Number of SFP ports (1000M)	18
Number of SFP+ ports (10G)	4
Number of Combo ports (1000M)	6
Backplane bandwidth	128Gbps
Packet forwarding rate	95.232Mbps
Processor	RISC 600MHz
Flash capacity	8MB
Memory capacity	64MB, maximum 512MB
Address Table	32K
Queue buffer	64MB
Forwarding mode	Store and forward
Support protocol standards	IEEE 802.1AB-2005, LLDP Protocol; IEEE 802.1d, Spanning Tree Protocol; IEEE 802.1w, Rapid Spanning Tree Protocol; IEEE 802.1s, Multiple Spanning Tree Protocol; IEEE 802.1q, VLAN Standard; IEEE 802.3x, full duplex; IEEE 802.3ad, Link Aggregation Protocol; IEEE802.3u, Fast Ethernet standard; IEEE802.3z and IEEE802.3ab, Gigabit Ethernet standard; IEEE802.3ae, 10G Ethernet standard; Ethernet data link layer flow control; IEEE 802.1p, QoS/CoS quality of service
Spanning tree	Support STP, RSTP, MSTP Maximum
VLAN	Support 4096 VLANs; Port-based VLAN support; Supports 802.1Q tagged VLANs
Flow control	Standards-based IEEE 802.3x flow control; Support CAR function
Broadcast control	Suppress Broadcast storms, stops sending multicast control
Multicast packets	IGMP Snooping Automatic monitoring of IGMP Snooping multicast packets
Link aggregation	Each group has a maximum of 8, and supports 128 groups at the same time; Dynamic LACP or 32 groups of static aggregation
Ring network protection	Support

Precise docking	Gigabit ports Support switch/server mode, exact match switch/server, higher forwarding performance
Port mirroring	Support port mirroring (one-to-many)
Stack	16 soft stacks, using cluster technology, using unified IP address for centralized management, saving address resources
Safety features	IEEE 802.1x port authentication ; Hardware support IP ACL, MAC ACL, Vlan ACL Hardware supports port-based binding of user IP+MAC+Vlan ID+user account combination of multiple factors Software supports MAC binding ; Support IP Source Guard ; Support port isolation ; Support loop protection; Support WEB interface user authentication ; Protection against ARP attacks and viruses
Service quality	IEEE 802.1Qau Congestion Mechanism ; 8 transmit queues per port map 8 priorities for 802.1p ; WRED, WFQ, SP and FIFO queue scheduling algorithms ; Best-Effort Service ; Differentiated Service; Strict Priority; Weighted Round Robin; First come first served
Network management	SNMP v1/v2 ; WEB interface ; Support cluster management; Chinese/English conversion; command line management
Remote upgrade	Support version upgrade via web ; Support version upgrade through local
Dimensions	442 x 285 x 44mm
Power supply	AC 110-240V self-adaptive, 47-63Hz, 1A/230V, RPS power hot backup
Power	Max 80W
Indicator light	Power indication, system indication, connection/transmission indication
Temperature	Operation: 0-50°C ; Storage: -40-70°C
Humidity	0-90% no condensation

FUNCTIONAL DIAGRAM



ORDERING INFORMATION

PN	DESCRIPTION
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