

## 28 Ports Layer 2 Gigabit Ethernet Switch with 4x 10G SFP+ ports

Lightem 10Gigabit Ethernet Switch LT28-4SFP+ is standard 2-layer non-blocking switch. Featuring 24ports 10/100/1000M RJ45 ports & 4x 10GE SFP+ ports. Based on high-performance ASIC chip technology, the modular structure design, which have a capability of multilayer switching and wire-speed routing forwarding. It is suitable for last mile aggregation application of large scale network.



### FEATURES

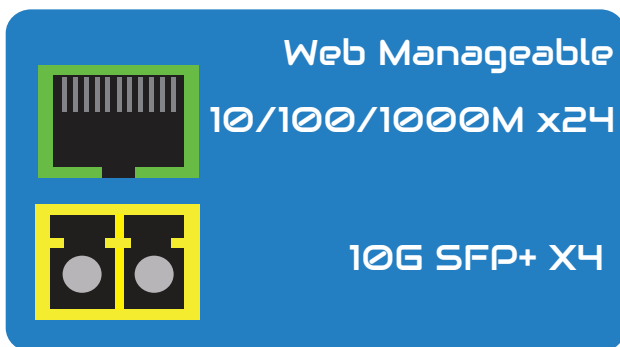
- 128G backplane bandwidth
- 4x 10G SFP+ ports
- Hardware routing, wire-speed 3rd layer switching packet forwarding rate of 95.232Mpps
- DOS, deception and virus defense
- Support IEEE802.1x, provide port-based user authentication, network shield, safety control, and strategy control technology
- Restrict maximum number of connected hosts port, with multi-channel Ethernet interface binding, increasing bandwidth and system redundancy
- Powerful ACL, support for L2-L4 layer data filtering
- Support QinQ
- Strategy control list, flow regulation
- Clustering technology, support more than one device stack, with a unified IP Address to carry on centralized management and address resources savings
- Network management via Web, SNMP
- Redundant power supply, quick failover and quick connection, greatly increasing the reliability of the system
- Support IGMP message detection, effectively limit the spread of broadcast message.
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- IP multicast and QoS

### SPECIFICATIONS

28 Ports Layer 2 Gigabit Ethernet Switch with 4x 10G Standards SFP+ Ports	
Number of RJ45	24 (Gigabit Ethernet port)
Number of Optical ports (SFP+ 10G)	4 10G SFP+
Optical port	SFP+
Backplane bandwidth	128Gbps
Packet forwarding rate	95Mpps
The memory capacity	128Mb
Address Table	16k
Layer 2 specifications	
Spanning tree	Support STP, RSTP, MSTP
VLAN	Support port-based VLAN; Support 802.1Q labeled VLAN; Support for Private Vlan
Flow control	Based on a standard IEEE 802.3x flow control; Using IEEE 802.1Qbb priority flow control
Broadcast control	Restraining broadcast storm, stop sending so long as reaching a critical point
Multicast control	IGMP Snooping multicast message automatic monitoring
Port binding	Each group of a maximum of 8, while support 32 group; LACP dynamic or static polymerization
Port mirroring	Support based on flow classification mirroring and port mirroring
DHCP	DHCP Snooping
Security	Port Security (Port Security) function
	Hardware support for IP ACL, MAC ACL, Vlan ACL
	Hardware support for port based user IP+MAC+Vlan ID+ user account a variety of factors combined to bind
	Support IP Source Guard; Support WEB interface user authentication
	User classification management and password protection
	Safety control technology
	Policy control list

Quality of service	IEEE 802.1Qau congestion mechanism; Each port 8 send queue mapping 802.1p 8 priority
	DRR, WRR, SP and FIFO queue scheduling algorithm; Best-Effort Service
	Differentiated Service; Strict Priority; Weighted Round Rob ; First come first served
	TOS to mark; RTS
Network management	SNMP v1/v2
	Telnet
	WEB interface
	Support the fan, temperature, system log, hierarchical alarm
Dimension	440 x 230 x 44mm
Power supply	AC 110-240V adaptive, 47-63Hz, 1A/230V, RPS power hot backup
Operating temperature	0-50°C
Operating humidity	0-90% no condensation

## FUNCTIONAL DIAGRAM



## ORDERING INFORMATION

PN	DESCRIPTION
LT28-4SFP+	28Ports Layer 2 Gigabit Ethernet Switch with 4x 10G SFP+ ports