

## 52 Ports Layer 3 Gigabit Ethernet Switch with 4x 10G SFP+ ports

Lightem 10Gigabit Ethernet Switch LT52-4SFP+ is standard 3-layer non-blocking switch. Featuring 48ports 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

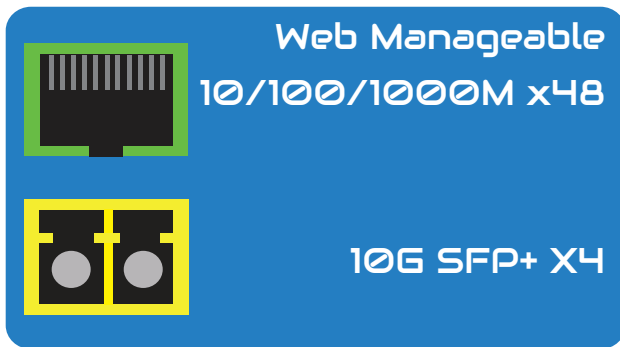
- 176G backplane bandwidth
- 4x 10G SFP+ ports
- Hardware routing, wire-speed 3rd layer switching packet forwarding rate of 130.944Mpps
- DOS, deception and virus defense
- Support IEEE802.1x, provide port-based user authentication, network shield, safety control, and strategy control technology
- Restrict 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

25 Ports Layer 3 Data Center Switch with 24x 10G SFP+ ports	
Number of RJ45	48 (Gigabit Ethernet port)
Number of Optical ports (SFP+ 10G)	4 10G SFP+
Optical port	SFP+
Backplane bandwidth	176Gbps
Packet forwarding rate	131Mpps
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 32group; LACP dynamic or static polymerization
Port mirroring	Support based on flow classification mirroring and port mirroring

<i>DHCP</i>	DHCP Snooping
<i>Security</i>	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
<i>Quality of service</i>	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 Robin
	First come first served; TOS to mark; RTS
<i>Network management</i>	SNMP v1/v2
	Telnet
	WEB interface
	Support the fan, temperature, system log, hierarchical alarm
<i>Dimension</i>	440x230x44mm
<i>Power supply</i>	AC 110-240V adaptive, 47-63Hz, 1A/230V, RPS power hot backup
<i>Operating temperature</i>	0-50°C operation
<i>Operating humidity</i>	0-90% no condensation

## FUNCTIONAL DIAGRAM



## ORDERING INFORMATION

PN	DESCRIPTION
LT52-4SFP+	52 Ports Layer 3 Gigabit Ethernet Switch with 4x 10G SFP+ ports