

## 25 Ports Layer 3 Data Center Switch with 24x 10G SFP+ ports

Lightem LT25-24SFP+ 10 Gigabit data center switch. It provides 24x 10G SFP+ optical ports, 1x 10/100/1000M RJ45 electrical ports. With high bandwidth and low latency, pipe network. It located in density of the next generation of data center and cloud computing network access, can also be used for large Internet cafes, the core of enterprise network, metropolitan area network, or gathering.



### FEATURES

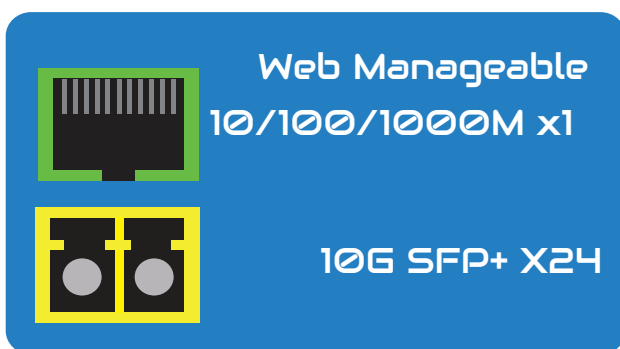
- 480G backplane bandwidth
- 24 10Gb optical ports, the highest density (1U TOR), meet the demand of high-density 10G server access.
- Hardware routing, wire-speed 3rd layer switching packet forwarding rate of 360.092Mpps
- Able to be managed via Web, SNMP, etc
- Support XModem protocol, use TFTP/ZMODEM for software upgrading and BootRom upgrading
- Support SFP+, simultaneously downward compatible XFP
- Support flexible port configuration
- Automatically detect and control broadcast storm, support IGMP packets detection, effectively limit the flooding of broadcast packets.
- Support Ethernet interface taking 1M as the step length for rate limiting
- 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

### SPECIFICATIONS

25 Ports Layer 3 Data Center Switch with 24x 10G SFP+ ports	
Basic Characteristics	
Fixed Port	24x 10G SFP+ optical ports, 1x 10/100/1000M RJ45 adaptive electrical ports
Console Port	1
Backplane bandwidth	484Gbps
Packet Forwarding Rate	360.092Mpps
Jumbo Frames	12k bytes
Transfer Mode	Support store-forward mode and cut-through mode
IPv4 Route	512
Packet Buffer	4MB
VLAN ID	4K
Flash Memory Capacity	32M
Memory Capacity	256MB
CPU	Single-Core 32-bit 600MHz MIPS
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; IP based 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 Mirror	Support port mirroring
Port Management	System info; Port Statistics; Config port; Port trunk; Port-isolate
QoS	IEEE 802.1Q Congestion mechanism Each port has 8 transmitting queues mapping 802.1p 8 priority
IP Services	Ping detection; 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	
Appearance size	440mm × 280mm × 44mm
Power supply	AC 90V ~ 290V
Operating temperature	0°C ~ 50°C (0m ~ 1800m)
Operating humidity	5% ~ 95%, Non-condensing

## FUNCTIONAL DIAGRAM



## ORDERING INFORMATION

PN	DESCRIPTION
LT25-24SFP+	25 Ports Layer 3 Data Center Switch with 24x 10G SFP+ ports