52 Ports Layer 2+ Data Center Switch with 42x 1G SFP, 6x RJ45/SFP Combo & 4x 10G SFP+ ports

Lightem LT52SFP-6C-4ESFP+ is a standard layer 2+ non-blocking switch. Based on modular structure design, which have a capability of multilayer switching and wire-speed routing forwarding. It can be deployed in the metropolitan area network, and provides a few last mile technology to gather and core data exchange. At the same time, LT52SFP-6C-4ESFP+ provides a complete IPv4/IPv6 routing, including tunnel and IP multicast. The user can set all kinds of functions of switch through the Web, SNMP and so on. LT52SFP-6C-4ESFP+ support layer 2 and layer 2+ VPN, DOS defense, static routing, RIP, OSPF, BGP, PIM-SM, PIM-DM, DVMRP, NAT, Qos, RSTP, MSTP, VLAN, Port Security, a storm suppression, ACL access control and other functions, which is very suitable for the aggregation application of large-scale network and the core application of medium and small-sized network.

FEATURES

- 176G backplane bandwidth
- 42x 1G SFP, 6x RJ45/SFP Combo & 4x 10G SFP+ ports
- Hardware routing, wire-speed layer 2+ 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
- Support for layer 2+ 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

52 Ports Layer 2+ Data Center Switch with 42x 1G SFP, 6x RJ45/SFP Combo & 4x 10G SFP+ ports	
Number of SFP optical ports (1G)	42
Number of 1G RJ45/SFP Combo ports	6
Number of extensible ports (SFP+ 10G)	4
Optical port	1G SFP & 10G SFP+
Backplane bandwidth	176Gbps
Packet forwarding rate	131Mbps (Processor : RISC 400MHz)
The memory capacity	128MB
Flash memory capacity	8MB
Address table	32k
Spanning tree	Support STP, RSTP, MSTP,PVST/PVST+
VLAN	Support port-based , MAC-based, 802.1Q labeled, Super, Private VLAN , QinQ and flexible QinQ
	Support for the GVRP dynamic VLAN configuration & Voice VLAN
Flow control	Based on a standard IEEE802.3x flow control; Using IEEE802.1Qbb priority flow control; Support CAR function
Broadcast control	Restraining broadcast storm, stop sending so long as reaching a critical point
Multicast control	IGMP Snooping multicast message automatic monitoring
Multicast routing	IGMP v1/v2/v3, MLDv2 ; PIM-SM, OLINK&PIM-DM ; DVMRP (Distance Vector Multicast Routing Protocol)
	GMRP (multicast dynamic registration protocol)
Port binding	Each group of a maximum of 8, while support 128 group ; LACP dynamic or static polymerization
Port mirroring	Support based on flow classification mirroring and port mirroring

Stacked	Stacked 16 hard, soft stacking 32 ; Using clustering techniques,
	with a unified centralized management of IP address to do address resource saving
Routing management	Static routing ; RIP v1/v2, OSPFv2, BEIGRP (compatible with Cisco EIGRP),
	BGPv4, ISIS, BGP ; Anti virus intelligent routing function
Strategy routing	Support based on IP strategy routing
The proxy function	Support Proxy ARP, DNS Proxy
Redundancy backup	Support for VRRP, HSRP Hot Standby Router Protocol
Characteristics of DHCP	DHCP Server, DHCP Client and support DHCP relay
Function of NAT	Support the static or dynamic NAT address translation function
Safety characteristics	IEEE 802.1x port certification, PKI certificati ; Port Security (Port Security) function;Support IP Source Guard;
	Hardware support for IP ACL ACL ACL, MAC, Vlan ; port based user IP+MAC+Vlan ID+ user account;
	a variety of factors combined to bind ; Support WEB interface user authentication ; Net shield technology ;
	Remote RADIUS, TACACS+ certification ; 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
	WRED, WFQ, SP and FIFO queue scheduling algorithm; Best-Effort Service; Differentiated Service;
	Strict Priority; Weighted Round Robin; First come first served; TOS to mark; RTS
Network management	SNMP v1/v2/v3 ; RMON (1,2,3,9 group) ; Telnet ; WEB interface; Support SSH;
	Support for cluster management ; PDP (compatible with Cisco CDP.)
	To support the fan, temperature, system log, hierarchical alarm
Dimension	442mm × 285mm × 44mm
Power supply	AC 110-240V adaptive, 47-63Hz, 1A/230V, RPS power hot backup
Operating temperature	80W
Operating humidity	Power indicator, indication of system, connecting / transceiver instructions
Environment humidity / temperature	0-50 ℃ operation,-40-70 ℃ preservation,0-90% no condensation

FUNCTIONAL DIAGRAM

ORDERING INFORMATION

PN	DESCRIPTION
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