LS1024-MB2P / LS1048-MB3P Gigabit Ethernet Switch

L2+ Gigabit Ethernet Access/Aggregation PoE Switch with 4 10G uplinks

Product Overview

The LITEON LS1024-MB2P/LS1048-MB3P switch is the new generation of Layer 2 and Layer 4 PoE access switch with 4 10G uplink ports. The LS1024-MB2P provides 24 10/100/1000Base-T PoE ports and 4 1/10GBase-X SFP+ uplinks ports. The LS1048-MB3P provides 48 10/100/1000Base-T PoE ports and 4 1/10GBase-X SFP+ uplinks ports. The switch is ideal for SMB, enterprise, and campus networks to connect power devices such as VoIP phones, wireless access points, surveillance cameras etc.

Comprehensive QoS

Traffic is prioritized according to 802.1p, DSCP, IP Precedence and TCP/UDP port number, and gives the optimal performance for real-time applications like voice and video. Weighted Round Robin (WRR) and strict priority ensure differential prioritization of customer traffic and avoid congestion of switch queues.

Simplified Management

The LS1024-MB2P/LS1048-MB3P support industry-standard command-line interface (CLI) which reduces the training and operation costs, a user friendly Web GUI and SNMP to management the switch.

IPv6 Support

The switch supports IPv6 Management via SSH, Web.
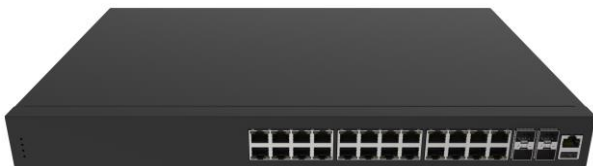
LS1024-MB2P

LS1048-MB3P

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Product Specification

Description	Specification
Physical	• 24/48 10/100/1000Base-T Ports • 4 1/10G SFP+ Ports • 1 RJ45 Type Console Port • 1 USB Type A Port
Layer 2 Features	• Flow Control : IEEE 802.3x • Switching Mode : Store-and-Forward • Spanning Tree Protocol (802.1D, 802.1W, & 802.1S), Fast Forwarding, Auto Edge, BPDU Guard • VLANs (802.1Q tagged based and port-based up to 4093), Private VLAN, Voice VLAN • Storm Control (Broadcast, Unknown Multicast, Unknown Unicast) • IGMP Snooping v1/v2/v3, IGMP Immediate Leave • Link Aggregation : LACP and Cisco EtherChannel Liked (Load balance support) • MLD Snooping v1/v2
QoS (Quality of Service)	• Priority Queues : 8 queues • Scheduling for Priority Queue : WRR, Strict and Hybrid (WRR+Strict) • COS : IP Precedence & IP DSCP • DiffServ • AutoVoIP
Security	• Static and dynamic Port Security (MAC-Locking) • 802.1x : Port-Based, VLAN Assignment, Guest VLAN, Unauthenticated VLAN, QoS Assignment • ACL : L2/L3/L4 • IPv6 ACL : L3/L4 • RADIUS & TACACS+ • SSH v1.5/v2.0 • Local and Remote Authentication, Remote Authentication via RADIUS & TACACS+ • DHCP Snooping • MAC Filter • Dynamic ARP Inspection (DAI)
Layer 3 Features	• ARP • Static Route

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Description	Specification
Management	• CLI/SNMP v1/v2c/v3 • Telnet/SSH • Software and configuration file download/upload: TFTP/FTP • Dual image supported • DHCP: Client / Relay • Event/Error log: local flash and remote server (RFC3164) • Remote PING • DNS Client • SNTPv4 • LLDP (802.1ab, Link Layer Discovery Protocol) • Port Mirroring: SPAN/RSPAN • IPv6 Management
PoE (Power over Ethernet)	• IEEE 802.3af Power over Ethernet : Delivery of 15W per port • IEEE 802.3at PoE+ : Delivery of 30W per port
PoE Power Budget	• MB2P : 370 Watts • MB3P : 740 Watts
Mechanical	• Dimension (WxLxH) MB2P : 441.5 x 280 x 44mm (17.38 in. x 11.02 in. x 1.73 in.) MB3P : 441.5 x 440 x 44mm (17.38 in. x 17.32 in. x 1.73 in.) • Weight MB2P : 5.5 Kg MB3P : 8 Kg
Environmental	• Operating Temperature : 0~50^{0}C • Operating Humidity : 90% maximum relative humidity
Electrical	• Power Requirement : 100~240VAC, 50/60Hz • Power Consumption with Traffic Load : MB2P: 22.51 Watts MB3P: 42.37 Watts
Certification	• Safety : UL, CB • EMC : CE, FCC