

LS1008-VB1P Outdoor Gigabit Ethernet Switch



Outdoor Industrial L2+ Gigabit Ethernet PoE Switch with SFP Uplink

Product Overview

The LS1008-VB1P is an outdoor industrial PoE L2 management switch with 8 10/100/1000BASE-T and 2 SFP ports. This fan-less switch is IP30 compliant and designed to install in cabinet of outdoor environment. This model comply to the IEEE 802.3af/at/bt standards and are able to deliver up to 30 watts of power for 6 copper ports and 95W for remaining 2 copper ports along with data over standard Ethernet cabling. The switches can be used to power any IEEE 802.3af/at-compliant PoE PD devices, and include PoE power management features that ease the deployment effort and PoE power budget planning, as well as eliminating the need for additional wiring to reach a power source.

LS1008-VB1P offers L2 management features include VLAN, spanning tree, link aggregation and access control for networking integration flexibility.

Simplified Management

The LS1008-VB1P 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.

Integration Flexibility

Support Layer 2+ managed features include VLAN, link aggregation, spanning tree, IGMP Snooping, as well as security features 802.1x, access list control, RADIUS and TACACS+ for flexible network integration.

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.

IPv6 Support

The switch supports IPv6 features and management via SSH, Web.

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Product Specification

Description	Specification
Physical	<ul style="list-style-type: none"> • 8 10/100/1000 Mbps Base-T ports • 2 1000 Mbps SFP ports • 1 RJ45 Console Port
Layer 2 Features	<ul style="list-style-type: none"> • Switching Mode : Store-and-Forward • Link Aggregation: 802.3ad with LACP, Static Port Channel • VLANs (802.1Q tagged based and port-based) • Spanning Tree: IEEE 802.1w, Fast Forwarding, Auto Edge, BPDU Filter/Guard, Loop Guard, Root Guard • IGMP Snooping v1/v2/v3, IGMP v1/v2 querier support, IGMP Immediate Leave • MLD Snooping: MLD Snooping v1/v2 • MLD v1 querier support • Jumbo Frame : 9K bytes
QoS (Quality of Service)	<ul style="list-style-type: none"> • Priority Queues : 8 queues • Scheduling for Priority Queue : WRR, Strict and Hybrid (WRR+Strict) • COS : IP Precedence & IP DSCP • DiffServ
Security	<ul style="list-style-type: none"> • Static and dynamic Port Security (MAC-Locking) • 802.1x : Port-Based, Mac-Based, VLAN Assignment, Guest VLAN, Unauthenticated VLAN • ACL : L2/L3/L4 • RADIUS & TACACS+ • SSH v1.5/v2.0 • Local and Remote Authentication, Remote Authentication via RADIUS & TACACS+ • DHCP Snooping: DHCP V4 • MAC Filter

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Description	Specification
Management	<ul style="list-style-type: none"> • CLI/SNMP v1/v2c/v3 • Telnet/SSH • Software and configuration file download/upload: TFTP/FTP • Dual image supported • DHCP: Client / Relay / L2 Option 82 Relay • Event/Error Log: Local flash and remote server (RFC3164) • Remote PING • DNS Client • SNTPv4 • LLDP (802.1AB, MED, Link Layer Discovery Protocol) • Port Mirroring: SPAN/RSPAN • IPv6 Management
Layer 3 Features IPv4	<ul style="list-style-type: none"> • IP Multinetting / CIDR • ARP • Static Route • PIM-SM
IPv6 Features	<ul style="list-style-type: none"> • IPv4/IPv6 Dual Protocol Stack • ICMPv6 • IPv6 Neighbor Discovery • Stateless Autoconfiguration • Manual Configuration • DHCPv6 Client • HTTP over IPv6 • SSH over IPv6 • IPv6 Telnet Support • IPv6 TFTP Support • Remote IPv6 Ping

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Description	Specification
PoE (Power over Ethernet)	<ul style="list-style-type: none"> IEEE 802.3at PoE+ : Delivery of 30W per port IEEE 802.3bt PoE++ : Delivery of 95W per port
PoE Power Budget	<ul style="list-style-type: none"> 240 Watts
FAN Design	<ul style="list-style-type: none"> Fanless
Mechanical	<ul style="list-style-type: none"> Dimension (H x W x D) : 79.2mm x 135mm x 105mm
Environmental	<ul style="list-style-type: none"> Operating Temperature : -40°C to 65°C Operating Humidity : 95% maximum relative humidity
Electrical	<ul style="list-style-type: none"> Power Supply : 48V DC input
Certification	<ul style="list-style-type: none"> CE, FCC

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We are committed to providing customers and market with the professional products and services that drive productivity across applications. With long-term years of operations in Taiwan and China, our products and solution offer significant and diverse values to meet market requirements and advances in networking connectivity technology.