24*10/100/1000Base-T + 4*1G/2.5G SFP Layer 2 Managed PoE Switch

LT-S8228GP-4GX24GT

Overview

SmartByte LT-S8228GP-4GX24GT is the Layer 2 full gigabit managed PoE switch, which provide high-density performance, powerful Layer 2 management with 68Gbps switching capacity. The LT-S8228GP-4GX24GT provides comprehensive end to end QoS as well as flexible and rich management , security settings, which can meet the high speed, secure and smart requirement for small and medium-size enterprise networks based on cost effective price. The powerful network security features also make the LT-S8228GP-4GX24GT perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications. With total power consumption up to **440 watts** (**850W** optional), It offers a rack-mountable, affordable, safe and reliable power solution for SMBs deploying Power over Ethernet networks, or requiring enhanced data security and network traffic management.

Picture

Features

➤ 24 *10/100/1000BASE-T Gigabit Ethernet RJ45 PoE ports，4*1G/2.5G SFP slots, 1*RJ45 console interface for switch basic management and setup

➤ Complies with IEEE 802.3at, IEEE802.3af standard. Max output power per port can reach 30W (PoE+)

➤ Smart and standard PoE chipset to detect the PD equipments automatically, never burn the PD equipments

➤ Port aggregation: Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation

➤ VLAN : Supports access, truck , hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN

➤ QinQ: Supports port-based, VLAN-based and flow-based QinQ

➤ Port Mirroring: Many to one port mirroring

➤ Layer 2 ring network protocol: Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring

➤ Multicast: Supports IGMP snooping

➤ QoS: QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Engress port-based rate-limit and ➤ policy-based QoS

➤ Security: Support Dot1x，port authentication，mac authentication，RADIUS service; Support port-security, ip source guard，IP/Port/MAC binding, arp-check and ARP packet filtering for illegal users and port isolation

➤ Management : Supports LLDP, user management and login authentication; SNMPV1/V2C/V3; web management，HTTP1.1，HTTPS; Syslog and alarm grading ; RMON （Remote Monitoring）alarm, event and history record; NTP, temperature monitoring; Ping、Tracert and optical transceiver DDM function; Supports TFTP Client, Telnet Server, SSH Server and IPv6 management; PoE management

➤ Firmware update, configure backup/restore through Web GUI, FTP and TFTP

Technical specification

Model	LT-S8228GP-4GX24GT
Fixed ports	4*1G/2.5G SFP slots，24*10/100/1000M RJ45 PoE ports
Management port	1*RJ45 Console
PoE	Complies with IEEE 802.3at, IEEE802.3af standard. Max output power per port can reach 30W(PoE+) Support 1/2(+) 3/6(-) Endspan Support Non-standard PD
Switching capacity	68Gbps
Packet forwarding rate	101Mpps
MAC address table	16K
Buffer	12M bit
Port aggregation	Support GE port, 2.5GE aggregation Support static and dynamic aggregation
Port features	Support IEEE802.3x flow control, Port traffic statistics, port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access, trunk and hybrid mode
VLAN Classification	Mac Based VLAN IP Based VLAN Protocol Based VLAN
QinQ	Basic QinQ (Port-based QinQ) Flexible Q in Q(VLAN-based QinQ) QinQ(Flow-based QinQ)
Port mirroring	Many to one (Port Mirroring)
Layer 2 ring	Support STP、RSTP、MSTP

network protocol	Support G.8032 ERPS protocol，single ring, sub ring and other ring
DHCP	DHCP Client
	DHCP Snooping
Multicast	IGMP snooping
ACL	IP Standard ACL
	MAC extend ACL
	IP extend ACL
QoS	QoS Class, Remarking
	Support SP, WRR queue scheduling
	Ingress Port-based Rate-limit
	Egress Port-based Rate-limit
	Policy-based QoS
Security	Support Dot1x，port authentication，mac authentication，RADIUS service
	Support port-security
	Support ip source guard，IP/Port/MAC binding
	Support arp-check and ARP packet filtering for illegal users
	Support port isolation
Management and maintenance	Support LLDP
	Support user management and login authentication
	Support SNMPV1/V2C/V3
	Support web management，HTTP1.1，HTTPS
	Support Syslog and alarm grading
	Support RMON （Remote Monitoring）alarm, event and history record
	Support NTP
	Support temperature monitoring
	Support Ping、Tracert
	Support optical transceiver DDM function
	Support TFTP Client
	Support Telnet Server
	Support SSH Server

	Support IPv6 management
	Support PoE management
	Support FTP，TFTP，WEB upgrading
Dimension(mm)	440*245*44mm
Power supply	VAC input Rated voltage range：100-240V Frequency：50/60Hz
Fan	Support fan speed control
Consumption	Total power consumption ≤440W (850W optional)
Power surge protection	6KV, IEC 61000-4-5　Level X（8/20us）
Ethernet ports surge protection	4KV, IEC 61000-4-5　Level 4（10/700us）
Working temperature	0℃-50℃
Humidity	Working humidity：10%-90%RH Storage humidity：5%-95%RH

Structure diagram

44mm
440mm
Front view

44mm
440mm
Back view

44mm
245mm
Side view
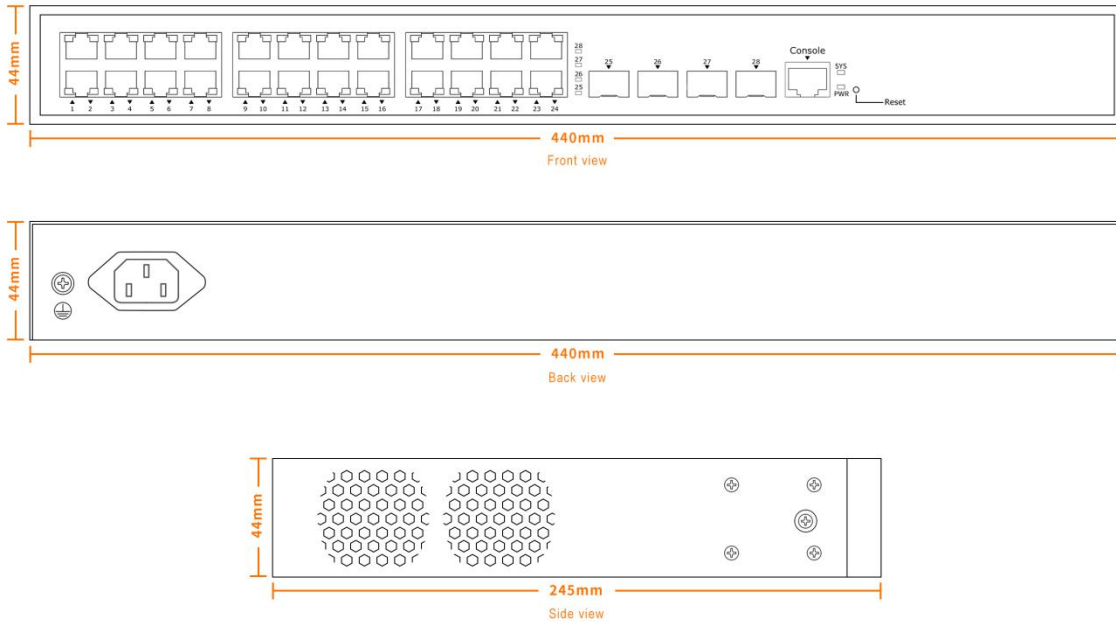
Order information

Model	Description
LT-S8228GP-4GX24GT	Layer 2 managed PoE switch with 4*1G/2.5G SFP slots and 24*10/100/1000M RJ45 PoE ports，AC 100-240V 50/60Hz, total power consumption 440W (850W optional)