

**16\*10/100/1000Base-T + 4\*1G /2.5G SFP + 8\*1G SFP/RJ45 Combo**

## **Layer 2 Managed Ethernet Switch**

**LT-S8228G-4GX16GT8GC**

### **Overview**

SmartByte LT-S8228G-4GX16GT8GC is the Layer 2 full gigabit managed switch, which provides high-density performance, powerful Layer 2 management with 68Gbps switching capacity. The LT-S8228G-4GX16GT8GC 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-S8228G-4GX16GT8GC performs effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications

### **Picture**



## Features

- 4\*1G/2.5G SFP slots uplink, 16\*10/100/1000Base-T + 8\*1G SFP/RJ45 COMBO ports downlink, 1\*RJ45 console port for switch basic management and setup
- Port aggregation: Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation
- VLAN : Supports access, trunk, 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/Egress 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
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

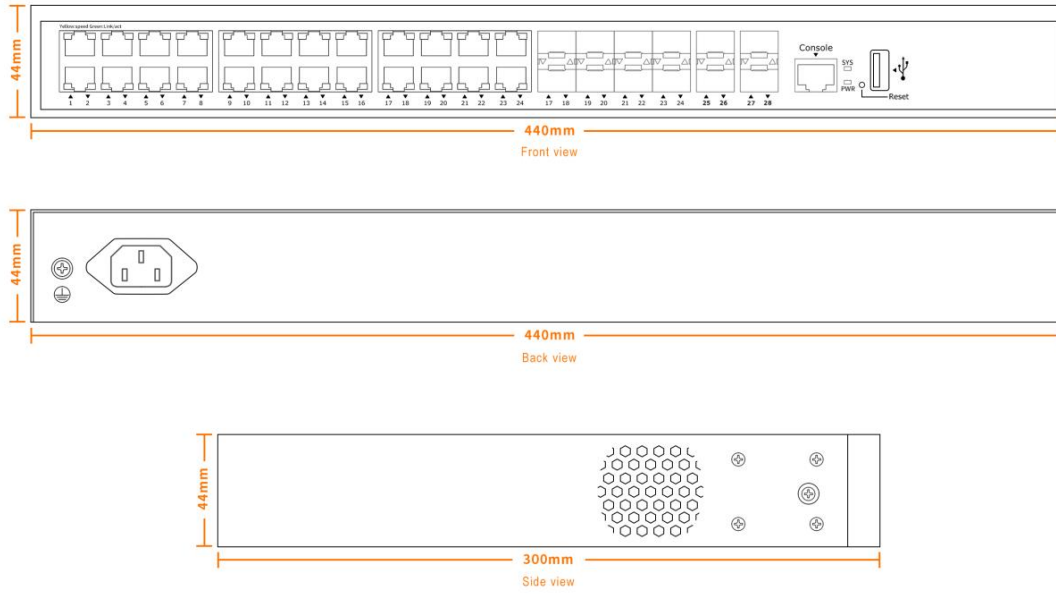
## Technical specification

<b>Model</b>	LT-S8228G-4GX16GT8GC
<b>Fixed ports</b>	4*1G/2.5G SFP slots, 16*10/100/1000M RJ45 ports, 8*1G SFP/RJ45 Combo ports
<b>Management port</b>	1*RJ45 Console
<b>Switching capacity</b>	68Gbps
<b>Packet forwarding rate</b>	101Mpps
<b>MAC address table</b>	16K
<b>Buffer</b>	12M bit
<b>Port aggregation</b>	Support GE port, 2.5GE aggregation Support static and dynamic aggregation
<b>Port features</b>	Support IEEE802.3x flow control, Port traffic statistics, port isolation Support network storm suppression based on port bandwidth percentage
<b>VLAN</b>	Support access, trunk and hybrid mode
<b>VLAN Classification</b>	Mac Based VLAN IP Based VLAN Protocol Based VLAN
<b>QinQ</b>	Basic QinQ (Port-based QinQ) Flexible Q in Q(VLAN-based QinQ) QinQ(Flow-based QinQ)
<b>Port mirroring</b>	Many to one (Port Mirroring)
<b>Layer 2 ring network protocol</b>	Support STP、RSTP、MSTP Support G.8032 ERPS protocol, single ring, sub ring and other ring
<b>DHCP</b>	DHCP Client DHCP Snooping
<b>Multicast</b>	IGMP snooping

<p><b>ACL</b></p>	<p>IP Standard ACL MAC extend ACL IP extend ACL</p>
<p><b>QoS</b></p>	<p>QoS Class, Remarking Support SP, WRR queue scheduling Ingress Port-based Rate-limit Egress Port-based Rate-limit Policy-based QoS</p>
<p><b>Security</b></p>	<p>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</p>
<p><b>Management and maintenance</b></p>	<p>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 FTP, TFTP, WEB upgrading</p>
<p><b>Dimension(mm) (W*D*H)</b></p>	<p>440*245*44mm</p>

<b>Power supply</b>	VAC input Rated voltage range: 100-240V Frequency: 50/60Hz
<b>Fan</b>	Support fan speed control
<b>Consumption</b>	≤40W
<b>Power surge protection</b>	6KV, IEC 61000-4-5 Level X (8/20us)
<b>Ethernet ports surge protection</b>	4KV, IEC 61000-4-5 Level 4 (10/700us)
<b>Working temperature</b>	0°C-50°C
<b>Humidity</b>	Working humidity: 10%-90%RH Storage humidity: 5%-95%RH

## Structure diagram



## Order information

Model	Description
LT-S8228G-4GX16GT8GC	Layer 2 managed Ethernet switch with 4*1G/2.5G SFP slots + 16*10/100/1000M RJ45 ports + 8*1G SFP/RJ45 Combo ports, AC 100-240V 50/60Hz