

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

## **Layer 2 Managed Ethernet Switch**

**LT-S8228XG-4XS16GT8GC**

### **Overview**

SmartByte LT-S8228XG-4XS16GT8GC is the Layer 2 managed Gigabit switch. The series deliver full Gigabit access and unparalleled scalability to 10G performance. It provides high-density performance with 128 Gbps switching capacity. The LT-S8228XG-4XS16GT8GC 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-S8228XG-4XS16GT8GC performs effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications.

### **Picture**



## Features

- 4\*1G/2.5G/10G 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 and 10GE 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/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
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

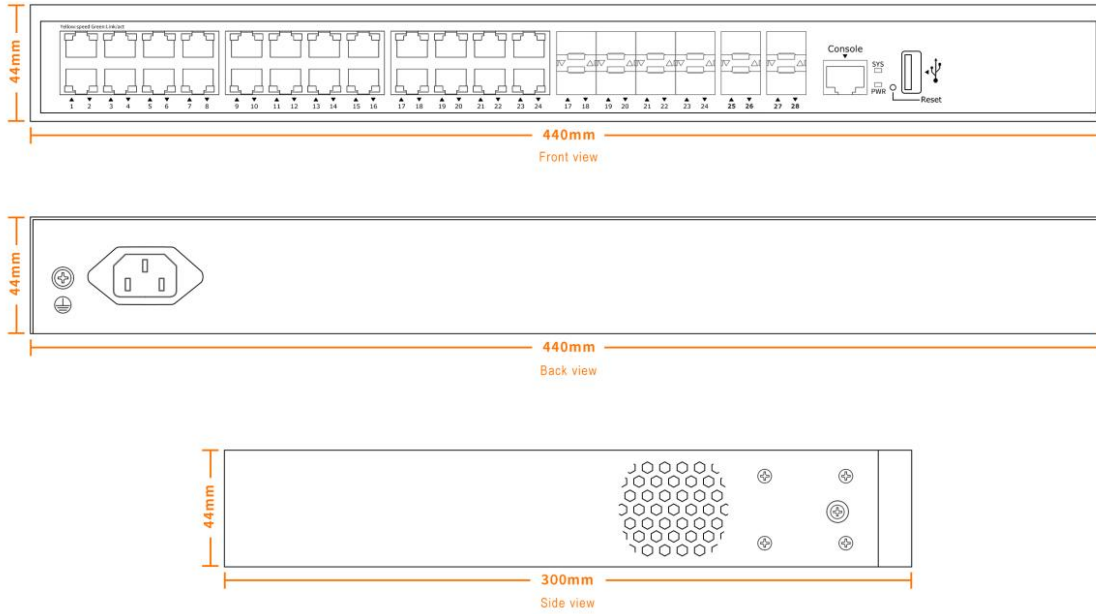
## Technical specification

<b>Model</b>	LT-S8228XG-4XS16GT8GC
<b>Fixed ports</b>	4*1G/2.5G/10G SFP+ ports, 16*10/100/1000M RJ45 ports, 8*1G SFP/RJ45 Combo ports
<b>Management port</b>	1* RJ45 Console
<b>Switching capacity</b>	128Gbps
<b>Packet forwarding rate</b>	190.4Mpps
<b>MAC address table</b>	16K
<b>Buffer</b>	12M bit
<b>Port aggregation</b>	Support gigabit port, 2.5GE and 10GE port 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

<b>ACL</b>	<p>IP Standard ACL</p> <p>MAC extend ACL</p> <p>IP extend ACL</p>
<b>QoS</b>	<p>QoS Class, Remarking</p> <p>Support SP, WRR queue scheduling</p> <p>Ingress Port-based Rate-limit</p> <p>Egress Port-based Rate-limit</p> <p>Policy-based QoS</p>
<b>Security</b>	<p>Support Dot1x, port authentication, mac authentication, RADIUS service</p> <p>Support port-security</p> <p>Support ip source guard, IP/Port/MAC binding</p> <p>Support ARP-check and ARP packet filtering for illegal users</p> <p>Support port isolation</p>
<b>Management and maintenance</b>	<p>Support LLDP</p> <p>Support user management and login authentication</p> <p>Support SNMPV1/V2C/V3</p> <p>Support web management, HTTP1.1, HTTPS</p> <p>Support Syslog and alarm grading</p> <p>Support RMON (Remote Monitoring) alarm, event and history record</p> <p>Support NTP</p> <p>Support temperature monitoring</p> <p>Support Ping、Tracert</p> <p>Support optical transceiver DDM function</p> <p>Support TFTP Client</p> <p>Support Telnet Server</p> <p>Support SSH Server</p> <p>Support IPv6 Management</p> <p>Support FTP, TFTP, WEB upgrading</p>
<b>Dimension(mm) (W*D*H)</b>	440*245*44mm

<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-S8228XG-4XS16GT8GC	Layer 2 managed Ethernet switch with 4*1G/2.5G/10G SFP+ slots +16*10/100/1000M RJ45 ports + 8*1G SFP/RJ45 Combo ports , AC 100-240V 50/60Hz