

# 10 Ports Full Gigabit Managed Ethernet Switch

## 8 x GE RJ45+2 x GF SFP Managed Ethernet Switch



- 8\*10/100/1000M RJ45 + 2\*1000M SFP slot Managed Ethernet Switch
- Switching capacity:56Gbps, MAC table:8K
- The power supply total is 130W
- 3 year warranty

**RoHS** **FC** **CE**

### Introduction

The QT-GL2MES-8P-2SF-1RJ is a full gigabit L2+ managed Ethernet fiber switch. The QT-GL2MES-8P-2SF-1RJ has the L2+ full network management, support IPV4/IPV6 management, static route full line rate forwarding, security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-T G.8032) ERPS to improve link backup and network reliability. When one-way network fails, communication can be quickly restored to ensure important uninterrupted communication for applications. According to the actual application requirements, you can configure multiple application services such as PoE power management, port traffic control, VLAN division, and SNMP through the Web network management mode.

### TECHNICAL SPECIFICATION

Model	QT-GL2MES-8P-2SF-1RJ
Fixed Port	8*10/100/1000Base-T ports (Data) 2*100/1000Base-X uplink SFP slot ports (Data) 1 * RS232 console port (115200, N,8,1)
Ethernet Port	10/100/1000Base-T(X), Auto-sensing,Full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter)

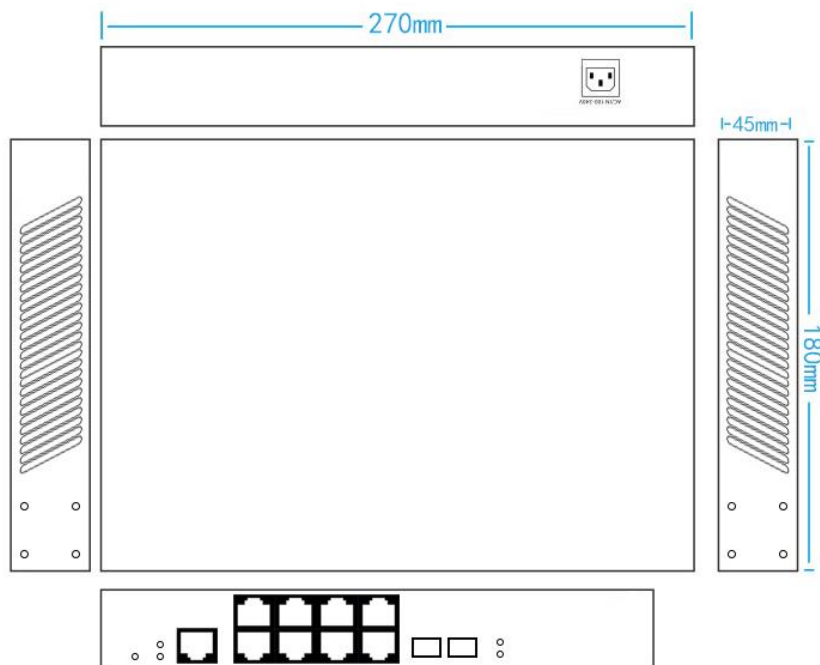
	1000BASE-T: Cat5e or later UTP (≤100 meter)	
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable	Multi-mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.	
Network Management Type	L2+	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;  IEEE802.3u 100Base-TX;  IEEE802.3ab 1000Base-T  IEEE802.3z 1000Base-X  IEEE802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	56Gbps	
Forwarding Rate@64byte	14.88Mpps	
MAC	8K	
Buffer Memory	4.1M	
Jumbo Frame	10K	
LED Indicator	Power:PWR(yellow), system :SYS(green), network ;Link/Act(yellow), POE: PoE (green), ,Fiber port: L/A(green)	
Reset Switch	Yes, One-button factory reset	
Power Supply Pin	Defaul 1/2 (+), 3/6 (-)	
Max Power Per Port	30W;	
Total PWR / Input Voltage	130W (AC100-240V)	250W (AC100-240V)
Power Consumption	Standby:<8W; Full load:<120W	Standby:<10W; Full load:<240W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 2.3A	Built-in power supply, AC 100~240V 50-60Hz 4.1A
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing	

Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing
Dimension (L*W*H)	270*180*45mm
Net /Gross Weight	<1.7kg / <2.2kg
Installation	Desktop, 19-inch 1U cabinet
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	3 years, lifelong maintenance.
Interface	IEEE802.3X (Full-duplex)  Broadcast storm control based on port speed  The speed limit of the message flow in the access port. The minimum particle size is 64Kbps.  Port temperature protection setting  Port green Ethernet Energy-saving setting
Layer 3 Features	L2+ Network management  IPV4/IPV6 management  L3 soft routing forwarding,  Static route, Default route @ 128 pcs, APR @ 1024 pcs
VLAN	4K VLAN based on port, IEEE802.1q  VLAN based on the protocol  VLAN based on MAC  Voice VLAN, QinQ configuration  Port configuration of Access, Trunk, Hybrid
Port Aggregation	LACP, Static aggregation  Max 5 aggregation groups and 8 ports per group.
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
Industrial Ring Network Protocol	G.8032 (ERPS), Recovery time less than 20ms  255 Ring at most, Max 1024 devices per ring.
Multicast	IGMP Snooping v1/v2, Max 1024 multicast groups, Fast log out

	MLD Snooping v1/v2, Multicast VLAN
Port Mirroring	Bidirectional data mirroring based on port
QoS	Diff-Serv QoS, Priority Mark/Remark 8*Output queues of each port 802.1p/DSCP priority mapping Queue Scheduling Algorithm (SP, WRR, SP+WRR) Flow-based Packet Filtering Flow-based Redirection Flow-based Rate Limiting
ACL	L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc. Port-based Issuing ACL. ACL based on port and VLAN
Security	User hierarchical management and password protection SSH 2.0, SSL, Port isolation, ARP message speed limit Broadcast storm control, Backup for host datum IEEE802.1X & MAC address authentication Mac black holes, IP source protection AAA & RADIUS, MAC learning limit ARP inspection, Anti-DoS attack IP-MAC-VLAN-Port binding
DHCP	DHCP Client, DHCP Snooping, DHCP Server, DHCP Relay
Management	Console/AUX Modem/Telnet/SSH2.0 CLI Web Management (HTTPS) Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3 One-key recovery NTP, System work log, Ping Test Cable Diagnose, LLDP CPU instant utilization status view

	NMS - Smart Network Management System Platform (LLDP+SNMP)
System	<p>Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;</p> <p>Category 5 Ethernet network cable</p> <p>TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network</p>

## DIMENSION



## PACKING LIST

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