



16-Port Gigabit Managed L2 Ethernet Switch with 12 SFP Slots

ST-M1612TS Datasheet

Product Description

The ST-M1612TS is a Layer 2 Managed Gigabit Ethernet Switch, providing 16*10/100/1000 BASE-T Rj45 Ports with 12 Gigabit SFP Slots, it offers full L2 managed features including LACP group ports together to increase bandwidth between switches, VLANs for segmenting and isolating virtual LAN groups, QoS for traffic prioritization, port bandwidth controls, SNMP monitoring, multicast and IGMP snooping to optimize IP surveillance system performance, and minimize network traffic, Voice VLAN to improve voice performance by isolating and prioritizing VoIP traffic from normal data traffic.

The ST-M1612TS Switches also feature SFP slots to support long-distance fiber networking applications, 19 inch size Metal enclosure supports 1U Rack mountable installation, along with intuitive web GUI management interfaces, to make it a reliable and secure solution for Enterprise, Campus, ISP and SMB networks requirement.

Product Appearance



ST-M1612TS

- 16*10/100/1000M Self-adaptive Rj45 port
- 12*1000M SFP Slots
- Backplane Bandwidth: 56Gbps
- Packet Forwarding Rate: 41.67Mpps
- Full Layer 2 Network management functions

Product Performance

- Full Layer 2 management and security capabilities
- Support Dynamic Link Aggregation Control Protocol (LACP)
- Support IGMP snooping optimize voice, video application
- Support RMON, SNMP, Port Mirroring to monitor solutions
- Support Default button for recovery factory setting (Hold on 10s)
- WEB/CLI managed modes, a broad range of network configurations: 802.1p CoS, 802.1q VLAN, Private, Multicast, and Voice VLAN, STP, RSTP, GVRP and QoS queue scheduling, etc

Hardware Specifications

Model	ST-M1612TS
Downlink ports	16*10/100/1000M Self-adaptive Rj45 ports
Uplink ports	12*1000M SFP Slots
LED indicator	PWR, Link / Act
Transmission mode	IEEE802.3x full duplex flow control and backpressure half duplex flow control
Bandwidth	56Gbps
Forwarding Rate	41.67Mpps
MAC address	16K

Standard protocol	IEEE802.3i 10 BASE-TX IEEE802.3u 100 BASE-TX IEEE802.3ab 1000 BASE-T IEEE802.3z 1000 BASE-LX IEEE802.3x Flow Control IEEE802.1p IEEE802.1x IEEE802.1d IEEE802.1s IEEE802.3az EEE
Power supply	AC 100~240V 50/60HZ
Dimensions	440mm*220mm*44mm
Working temperature	Working Temperature: 0°C~45°C, Humidity: 10%~90% Storage Temperature: - 20%~70%, Humidity: 5%~95%

Software Specifications

Routing	Support static routing Support ARP proxy
Loop protection	Support ERPS Ring protection Support 50ms healing looping Support BPDU protection, root protection and loopback protection
Spanning tree (STP)	Support STP (IEEE 802.1D), Support RSTP (IEEE 802.1W) Support MSTP (IEEE 802.1s) Support loop protection, root bridge protection, TC protection, BPDU protection, BPDU filtering
DHCP	Support DHCP server Support DHCP relay Support DHCP Snooping Support Option, Option82
VLAN	Support 4K VLAN Support 802.1Q VLAN, Mac VLAN, protocol VLAN, Private VLAN Support Guest VLAN, Voice VLAN Support GVRP protocol Support 1: 1 and N: 1 VLAN mapping function
MAC address table	Follow IEEE 802.1d standard Support MAC address automatic learning and aging Support static, dynamic, filter address table

Security feature	<p>Based on user grading management and password protection</p> <p>Support for port numbers, IP addresses, MAC addresses limit users access</p> <p>Support HTTPS, SSL V3, TLS V1, SSH V1 / V2</p> <p>Support IP-MAC-Port-VLAN quarter binding</p> <p>Support ARP protection, IP source protection, DOS protection</p> <p>Support DHCP Snooping, DHCP Attack Protection</p> <p>Support 802.1x Certification, AAA</p> <p>Support RADIUS</p> <p>Support TACACS+</p> <p>Support port security, port isolation</p> <p>Support CPU protection</p>
Access Control (ACL)	<p>Support L2 (Layer 2) ~ L4 (Layer 4) package filter function</p> <p>Provide source MAC address, destination MAC address, source IP address, destination IP address, TCP / UDP protocol source / destination port number, protocol, and VLAN package filtering function</p> <p>Support port mirror, port redirection, flow rate, QoS marking</p> <p>Support IPv4, IPv6, ACL</p>
Service quality (QoS)	<p>Support 16 port queuing</p> <p>Support port priority, 802.1p priority, DSCP priority</p> <p>Support WRR, strict priority scheduling algorithm</p>
Multicast	<p>Support IGMP V1 / V2 / V3 Snooping</p> <p>Support MLD V1 / V2 Snooping</p> <p>Support fast leaving mechanism</p> <p>Support multicast VLAN</p> <p>Support multicast filtering, packet statistics, unknown multicast discard</p>
Management and maintenance	<p>Support Web network management (HTTP, HTTPS, SSL V3, TLS V1)</p> <p>Support CLI (Telnet, SSH V1 / V2, local serial port)</p> <p>Support SNMP V1 / V2 / V3, compatible public MIBS</p> <p>Support LLDP, RMON</p> <p>Support CPU monitoring, memory monitoring</p> <p>Support system log, grading warning</p> <p>Support ping, trace route detection, UDLD</p> <p>Support electrical port test, optical module information detection</p> <p>Support HTTP, TFTP software upgrade, configuration management</p>

Order Information

ST-M1612TS	16*10/100/1000M RJ45 ports + 12*1000M SFP Slots
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