



**24-Port Gigabit Managed Layer 3 PoE+ Switch with 10G SFP+ Slots**

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**ST-M2404PX Datasheet**

## Product Description

The ST-M2404PX is a Layer 3 Managed Gigabit PoE+ Switch, providing 24\*10/100/1000 BASE-T PoE+ Ports with 4\*10G SFP+ Slots, it offers advanced L3 switching functions like Static Routing, RIP, OSPF, DHCP server, Proxy APR, IP-MAC-Port Binding (IMPB) and Access Control List (ACL) protect against broadcast storm, VLANs for segmenting and isolating virtual LAN groups, port bandwidth controls, SNMP monitoring, multicast and IGMP snooping to optimize IP surveillance system performance, and Quality of Service (QoS) for traffic prioritization, to move your data smoother and faster.

The ST-M2404PX Switches also feature SFP+ slots to support long-distance fiber networking applications, 19 inch Metal enclosure supports 1U rack-mounted installation, along with the easy-to-use Web GUI management interfaces, making ST-M2404PX a reliable and secure solution for Enterprise, Campus, ISP and SMB networks requirement.

## Product Appearance



ST-M2404PX

- 24\*10/100/1000M Self-adaptive PoE+ Ports
- 4\*10G SFP+ Slots
- Backplane Bandwidth: 128Gbps
- Packet Forwarding Rate: 95.23Mpps
- PoE Power budget: 450W

## Product Performance

- Layer 3 Switching features, Static Routing, RIP, DHCP server.
- Support Dynamic Link Aggregation Control Protocol (LACP)
- Support IGMP snooping optimize voice, video application
- Support short-circuit protection and Over-current protection
- Support Port Priority to protect switches in over-loading status
- Support Default button for recovery factory setting (Hold on 10s)
- Automatic defect the stuck IP Cameras, and Reboot IPC (other PDs)
- 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-M2404PX
Downlink ports	24*10/100/1000M Self-adaptive PoE+ Ports
Uplink ports	4*10G SFP+ Slots
LED indicator	PWR, Link / Act, SYS
Transmission mode	IEEE802.3x full duplex flow control and backpressure half duplex flow control
Bandwidth	128Gbps
Forwarding Rate	95.23Mpps

MAC address	16K
PoE Power Budget	450W
PoE standard	IEEE 802.3af, IEEE 802.3at
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*285mm*44mm
Working temperature	Working Temperature: 0°C~45°C, Humidity: 10%~90% Storage Temperature: - 20%~70%, Humidity: 5%~95%

## Software Specifications

Routing	Support OSPF dynamic routing Support RIP V1 / V2 dynamic 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
PoE management	Support PoE watchdog Support PoE time setting Support PoE port management
DHCP	Support DHCP server Support DHCP relay Support DHCP Snooping Support Option, Option82
MAC address table	Follow IEEE 802.1d standard Support MAC address automatic learning and aging Support static, dynamic, filter address table

VLAN	<ul style="list-style-type: none"> <li>Support 4K VLAN</li> <li>Support 802.1Q VLAN, Mac VLAN, protocol VLAN, Private VLAN</li> <li>Support Guest VLAN, Voice VLAN</li> <li>Support GVRP protocol</li> <li>Support 1: 1 and N: 1 VLAN mapping function</li> </ul>
Security feature	<ul style="list-style-type: none"> <li>Based on user grading management and password protection</li> <li>Support for port numbers, IP addresses, MAC addresses limit users access</li> <li>Support HTTPS, SSL V3, TLS V1, SSH V1 / V2</li> <li>Support IP-MAC-Port-VLAN quarter binding</li> <li>Support ARP protection, IP source protection, DOS protection</li> <li>Support DHCP Snooping, DHCP Attack Protection</li> <li>Support 802.1x certification, AAA</li> <li>Support RADIUS</li> <li>Support TACACS+</li> <li>Support port security, port isolation</li> <li>Support CPU protection</li> </ul>
Access Control (ACL)	<ul style="list-style-type: none"> <li>Supports L2 (Layer 2) ~ L4 (Layer 4) package filter function</li> <li>Provide source / destination MAC address, source / destination IP address, TCP / UDP protocol, source / destination port number protocol, and VLAN package filtering function</li> <li>Support port mirror, port redirection, flow rate, QoS marking</li> <li>Support IPv4, IPv6, ACL</li> </ul>
Service quality (QoS)	<ul style="list-style-type: none"> <li>Support 24 port queuing</li> <li>Support port priority, 802.1p priority, DSCP priority</li> <li>Support WRR, strict priority scheduling algorithm</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>Support IGMP V1 / V2 / V3 Snooping</li> <li>Support MLD V1 / V2 Snooping</li> <li>Support fast leaving mechanism</li> <li>Support multicast VLAN</li> <li>Support multicast filtering, packet statistics, unknown multicast discard</li> </ul>
Management and maintenance	<ul style="list-style-type: none"> <li>Support Web network management (HTTP, HTTPS, SSL V3, TLS V1)</li> <li>Support CLI (Telnet, SSH V1 / V2, local serial port)</li> <li>Support SNMP V1 / V2 / V3, compatible public MIBS</li> <li>Support LLDP, RMON</li> <li>Support CPU monitoring, memory monitoring</li> <li>Support system log, grading warning</li> <li>Support ping, trace route detection, UDLD</li> <li>Support electrical port test, optical module information detection</li> <li>Support HTTP, TFTP software upgrade, configuration management</li> </ul>

## Order Information

ST-M2404PX	24*10/100/1000M Self-adaptive PoE+ Ports + 4*10G SFP+ Slots
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