SEIAOTEK

48-Port Gigabit Managed Layer 3 PoE+ Switch with 4 SFP Slots

ST-M4804PS Datasheet

Product Description

The ST-M4804PS is a Layer 3 Managed Gigabit PoE+ Switch, providing 48*10/100/1000 BASE-T PoE+ Ports with 4 Gigabit SFP Slots, it offers advanced L3 switching functions like Static Routing, RIP, 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-M4804PS 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-M4804PS a reliable and secure solution for Enterprise, Campus, ISP and SMB networks requirement.

Product Appearance

ST-M4804PS	● 48*10/100/1000M Self-adaptive PoE+ Ports ● 4*1000M SFP Slots ● Backplane Bandwidth: 104Gbps ● Packet Forwarding Rate: 77.37Mpps ● 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-M4804PS
Downlink ports	48*10/100/1000M Self-adaptive PoE Ports
Uplink ports	4*1000M SFP Slots
LED indicator	PWR, Link / Act, SYS
Transmission mode	IEEE802.3x full duplex flow control and backpressure half duplex flow control
Bandwidth	104Gbps
Forwarding Rate	77.37Mpps

MAC address	32K
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*360mm*44mm
Working temperature	Working Temperature: 0℃~45℃, 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	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
Security feature	Based on user grading management and password protection
	Support for port numbers, IP addresses, MAC addresses limit users access
	Support HTTPS, SSL V3, TLS V1, SSH V1 / V2
	Support IP-MAC-Port-VLAN quarter binding
	Support ARP protection, IP source protection, DOS protection
	Support DHCP Snooping, DHCP Attack Protection
	Support 802.1x certification, AAA
	Support RADIUS
	Support TACACS+
	Support port security, port isolation
	Support CPU protection
Access Control (ACL)	Supports L2 (Layer 2) ~ L4 (Layer 4) package filter function
	Provide source / destination MAC address, source / destination IP address, TCP / UDP protocol, source / destination port number protocol, and VLAN package filtering function
	Support port mirror, port redirection, flow rate, QoS marking
	Support IPv4, IPv6, ACL
Service quality (QoS)	Support 48 port queuing
	Support port priority, 802.1p priority, DSCP priority
	Support WRR, strict priority scheduling algorithm
Multicast	Support IGMP V1 / V2 / V3 Snooping
	Support MLD V1 / V2 Snooping
	Support fast leaving mechanism
	Support multicast VLAN
	Support multicast filtering, packet statistics, unknown multicast discard
Management and maintenance	Support Web network management (HTTP, HTTPS, SSL V3, TLS V1)
	Support CLI (Telnet, SSH V1 / V2, local serial port)
	Support SNMP V1 / V2 / V3, compatible public MIBS
	Support LLDP, RMON
	Support CPU monitoring, memory monitoring
	Support system log, grading warning
	Support ping, trace route detection, UDLD
	Support electrical port test, optical module information detection
	Support HTTP, TFTP software upgrade, configuration management

Order Information

ST-M4804PS	48*10/100/1000M Self-adaptive PoE+ Ports + 4*1000M SFP Slots