

S2200ME-PAF

Enterprise Access POE Switch

Product Overview

FiberHome S2200ME-PAF series products are newly-released carrier Ethernet PoE (Power over Ethernet) switches. Including 8/16/24 electrical ports(10/100M) with PoE function and 2 combo ports (SFP or 1000M electrical port). Besides wire-speed forwarding, QinQ, VLAN-based service control, ACL, multicast, QoS functions, the S2200ME-PAF also support IEEE802.3af and IEEE802.3at PoE standards, it supplies power to IP telephones, wireless LAN Access Points, webcams and other connected appliances via LAN cabling as well as data. With visualized graphical interface management system, enables cluster management, and flexible PoE strategy, the S2200ME-PAF series PoE switches address various access requirements in broadband network.

S2208ME-PAF



- 8 FE PoE ports
- 2 GE Combo ports
- IEEE 802.3af & 802.3at

S2216ME-PAF



- 16 FE PoE ports
- 2 GE Combo ports
- IEEE 802.3af & 802.3at

S2224ME-PAF



- 24 FE PoE ports
- 2 GE Combo ports
- IEEE 802.3af & 802.3at

Benefits and Features

Rich service support capability

I S2200ME-PAF series Ethernet switches support PoE(Power over Ethernet) technology, allow IP telephones, wireless LAN Access Points, webcams and many other connected appliances to receive power as well as data over existing LAN cabling, without needing to use the additional power supply that facilitate the network deployment and management.

I The S2200ME-PAF complies with both IEEE802.3af and IEEE802.3at international standards, enable supplying power with network terminals which 15.4W power per port, and 30W power in maximum.

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Powerful control ability for user access

The S2200ME-PAF supports 802.1x, which requests identification authentication when subscriber accesses network and offers remote function testing and trouble-shooting. It enables the user access limitation via MAC address number, support MAC address and port-based binding, maximally ensure the validity of user access.

I The S2200ME-PAF enables port/VLAN based rate limiting function, support rate control over ingress/egress port with the minimal granularity of 64Kbps, which contribute to prevent malicious action from occupying network bandwidth.

I The S2200ME-PAF provides 4K active 802.1Q VLANs, support SVLAN, PVLAN, together with traffic flow based priority tagging, QoS priority re-mapping based on user requirement, which greatly guarantee the user experience to IPTV/VoIP etc. delay sensitive services.

Profound multicast duplication functionality

I The S2200ME-PAF supports 1K multicast group and versatile layer2 multicast protocols, such as single VLAN, multi-VLAN based IGMP Snooping, IGMP Filter, IGMP Fast-Leave, etc.

I The S2200ME-PAF supports inter-VLAN multicast duplication, port-based multicast rate limiting & flow traffic statistics, which fully meet the operation requirement for IPTV/VOD service.

High reliability

I The S2200ME-PAF supports STP/RSTP protocols, and also introduce innovative technologies including ESR Ethernet ring protection that make assure 200ms recovery. It enables service operator to protect multi-type network topology more flexibly, and ensures the reliable operation over entire network as well.

Advanced QoS strategy and safety mechanism

I The S2200ME-PAF supports 4 queues based priority scheduling, enable service differentiation, flow classification, flow-based strategy, port-based/flow-based mirroring function, which ensures both wire-speed forwarding over every port under any combined condition and high-quality access for NGN/IPTV/broadband access services.

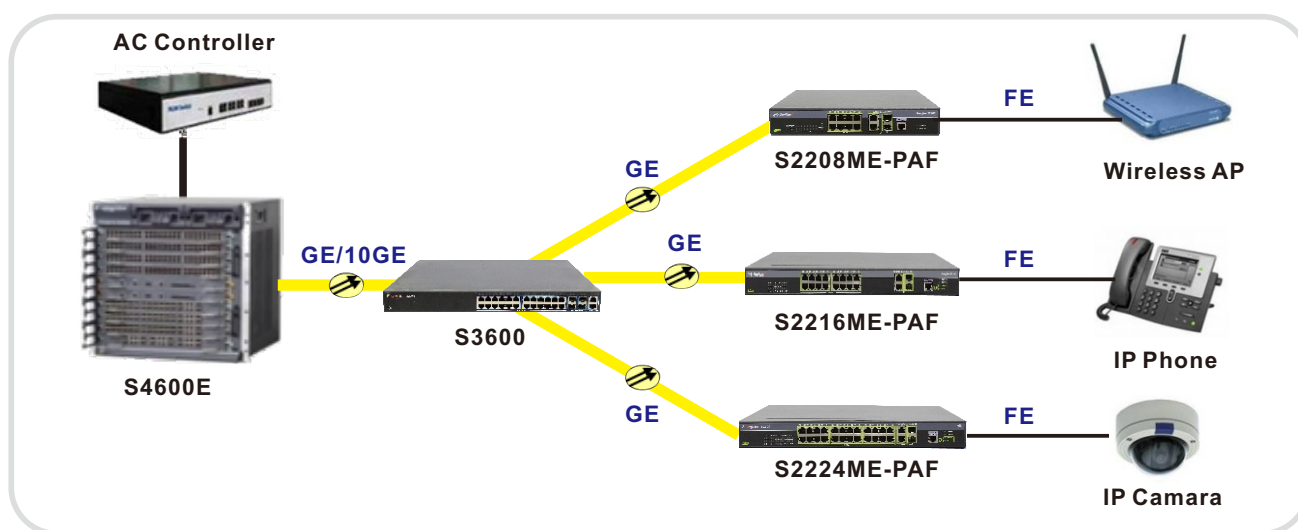
I The S2200ME-PAF provides ARP anti-attack function, CPU protection, and user safety, etc. They support 1K ACL items, MAC table item control, port based separation, and packet filtering, etc. technologies that make operator's network more intelligent and safety.

S2200ME-PAF POE Switch

Perfect maintenance & manageability

The S2200ME-PAF is easy for use and deployment, support versatile maintenance and management mode, realize wholly network running monitor. It supports SNMP v1/v2/v3, log record, VLAN/port based traffic flow statistics, CLI, Web, graphical management mode. The S2200ME-PAF also features perfect operation & maintenance functionalities, which enables operator to manage network in easy way thus decrease maintenance cost while great advance product

Application



Specifications

Item		S2208ME-PAF	S2216ME-PAF	S2224ME-PAF
Interface	Userport	8× 10/100BASE-TX PoE port + 2×1000M combo port	16× 10/100BASE-TX PoE port + 2×1000M combo port	24×10/100BASE-TX PoE port + 2×1000M combo port
	Console port	RJ-45 connector		
Performance	Interface capacity	5.6Gbps	7.2Gbps	8.8Gbps
	Packet forwarding rate	4.17Mpps	5.36Mpps	6.55Mpps
	MAC address table capacity	16K		
	MAC address learning rate	Wirespeed		
	MAC address table function	Manually add/delete MAC address table; MAC address aging time configurable; MAC based load balancing on port/trunk group		

S2200ME-PAF POE Switch

Layer2 function	VLAN	Support port-based VLAN, IEEE802.1Q VLAN, maximal concurrent VLAN number is up to 4K; Support multicast VLAN; Support QinQ; Support PVLAN Support VLAN mapping(1:1,N:1)
	Trunk	Link aggregation, compliance with IEEE802.3ad; Support maximal 14 groups with each group containing 8 ports; Aggregation efficiency 100%
	Broadcast control	Support broadcast control, multicast control, DLF packet control
	Spanning tree protocol	Support STP/RSTP/MSTP
	Ethernet ring protection	Support ESR, 200ms protection
	Jumbo frame	2048 bytes
Port	Port characteristics	Port rate auto-negotiation; IEEE802.3x flow control(full duplex)/back pressure flow control(half duplex); MDI/MDIX; Port-based loop-back testing
	Port mirroring	Support port- based 1:1 or n:1 mirroring; Support MAGbased mirroring
	Port rate limiting	Support port-based rate limiting,-bidirectional 64Kbps
Multicast		Layer2 multicast protocol: IGMP Snooping; Max. Multicast group items: 1024; Support interVLAN multicast duplication
QOS/ACL		Support traffic flow classification based on MAC address/VLAN ID/802.1p; Support max. 1024 ACL items; Support 802.1p priority based on 4 queues; Support SP/WRR/SP+WRR scheduling algorithm; Support flow-based priority tagging; Support QoS priority remapping
PoE characteristics		Support IEEE802.3af/IEEE802.3at; Power supply statistics. On each PoE port and the whole equipment enabled; The priority of PoE port configurable; The max. output power of PoE port configurable; In the case of the power of powered device overload, auto/manual mode enabled to proceed PoE port management;

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Network management	Mode	Telnet, CLI, Web, SNMP v1/v2/v3		
	Type	In-band		
	Function	Remote function testing & troubleshooting; Support SNMP/web/telnet/console based network management; Configuration auto download enabled; Support cluster network management , max. 128 sets management enabled Support TFTP software upgrade;		
Product description	Power supply	AC: 100~ 240V; DC: -36 ~ -72V		
	Working environment	Working temperature:5 ~ 55°C; Storage temperature:20 ~ 85°C; Working humidity: 10~90%(indoor, non- condensing)		
	Anti-lightning	Power: more than 6KV Port: more than 2KV		
	Max. power consumption (full load)	150W	400W	400W
	Power(PoE)	124W	370W	370W
	Physical dimension (W×D×H)	300mm×240mm×44mm	440mm×340mm×44mm	440mm×340mm×44mm
	Weight	2.24kg	3.66kg	4.82kg
	Heat dissipation	Thermal fan		

Ordering Information

Product Number	Description
S2208ME-PAF-AC	8×10/100Base-TX (PoE) +2×Combo port(10/100/1000Base-T or 100/1000Base-X), 100~240VAC
S2208ME-PAF-DC	8×10/100Base-TX (PoE) +2×Combo port(10/100/1000Base-T or 100/1000Base-X), -52~-55VDC
S2216ME-PAF-AC	16×10/100Base-TX (PoE) +2×Comboport(10/100/1000Base-T or 100/1000Base-X), 100~240VAC
S2216ME-PAF-DC	16×10/100Base-TX (PoE) +2×Comboport(10/100/1000Base-T or 100/1000Base-X), -52~-55VDC
S2224ME-PAF-AC	24×10/100Base-TX (PoE) +2×Combo port(10/100/1000Base-T or 100/1000Base-X), 100~240VAC
S2224ME-PAF-DC	24×10/100Base-TX (PoE) +2×Comboport(10/100/1000Base-T or 100/1000Base-X), -52~-55VDC