PoE Switch

8 Port Gigabit Layer2 Managed PoE Switch

Product Profile

PS2010G is a high-performance switch designed with the concept of "full-featured, full-scale minimalist interactive interface, all-round security" or "three-in-one". While ensuring high-performance network requirements, it provides a minimalist management interface, comprehensive and effective security policy, and a more scientific network management and maintenance system design to meet the needs of users for intelligent management of network equipment, extremely secure, and cost-effective networking. PS2010G intelligent with AI intelligent security system, AI QOS, AI power supply, one-button VLAN, intelligent wireless transmission 250M, PoE intelligent management and other global AI intelligent control, the first choice for the intelligent security era

Features

- Switch L2 OSI Model

- 1-8 port support 250Meters long-distance power supply (recommended cat5e or 6 network cable)

- Support a key VLAN, the port 1-8 isolated from each other, which can effectively inhibit network storms, improve network performance

- Supports IEEE 802.3af / at standard, automatically detects and identifies devices that comply withthe IEEE 802.3af / at standard and supply power to it

- Support Auto MDI/MDIX

- Adopt store-and-forward exchange method

- intelligent power supply, the lowest power consumption, ensure PD power needs

- With power circuit protection, protect the safety of PD

- No configuration characteristics of the power supply is automatically   supplied to the adaptive equipment;

- Fanless design, energy saving and environmental protection; no noise,   reduce the impact on the environment

- Small, exquisite design

- Support port without link power saving function

- All ports have wire-speed forwarding capability

- Plug and play, easy to use

Specification

Network port	8 10/100/1000Mbps RJ45 port 2 Gigabit SFP 1 Console
Flash	16MB
SRAM	128MB
Bandwidth	20Gbps
Packet Forward Rate	23.8Mpps
Jumbo frame size	10K
Transmission rate	14.9Mpps
Mac Adress Table	8K
Transmission method	store and forward
PoE	8 Port 10/100/1000Mbps RJ45 Support PoE+ Max 150W Single port max 46W
LEDs indicator	10 Link/Act LEDs 8 PoE LEDs 1 Sys LED 1 Power LED
Lightning Protection	4KV
Electrostatic Discharge	No barrier: +/-6KV Air : +/-8KV
Power Input	100-240V/50-60Hz
Working Environment	Working temperature: 0°~40°C Operating Humidity:10%~90%(Non-condensing)
Storage Environment	Working temperature: -40°~70°C Operating Humidity: 5%~90%(Non-condensing)
Dimension (L*W*H)	285mm x 180mm x 44mm

Network standard

- IEEE 802.3: Ethernet Media Access Control(MAC) protocol

- IEEE 802.3i:10BASE-T Ethernet

- IEEE 802.3u:100BASE-TX fast Ethernet

- IEEE 802.3ab:1000BASE-T gigabit Ethernet

- IEEE 802.3z:1000BASE-X gigabit Ethernetfiber）

- IEEE 802.3ad: comply link aggregation standard

- IEEE 802.3x: flow control

- IEEE 802.1p: About the traffic priority of the second

layer of Qos / Cos protocol(multicast filtering)

- IEEE 802.1q:VLAN Bridge operation

- IEEE 802.1d:STP spanning tree

- IEEE 802.1s:MSTP spanning tree

- IEEE 802.1w:RSTP spanning tree

- IEEE 802.3af

- IEEE 802.3at

Shortcut function

- One key VLAN / - One key Exnted(1-8 port 250meters PoE distance)

- One key Q0S (Video priority) / - One key AI power supply

VLAN

- Support 4K VLAN / - Support 802.1Q VLAN, Port VLAN, Voice VLAN

PoE

- Support setting the PoE port priority

- Support setting PoE power supply period / - Support setting port power

MAC address table

- Comply the IEEE 802.1d standard

- Support MAC address learning and aging automatically

- Support static, dynamic, filter address table

Storm suppression

- Support for unknown unicast suppression

Link aggregation

- Support static aggregation

- Support dynamic aggregation

- Support IP, MAC, hybrid load balancing Mode

- Supports up to 32 aggregation groups

Safety

- Based on user rating management and password protection

- Support based on the port number, IP address, MAC address restrictions

on user access

- Icmp-echo, DoS protection / - Support port security, port isolation

- Support DHCP Snooping, DHCP attack protection

Access control (ACL)

- Support L2(Layer 2)～L4(Layer 4) packet filtering function

- Support port mirroring, port redirection, flow rate limit, QoS re-marking

Multicast

- Support IGMP v1/v2 Snooping

- Support static multicast / - Support multicast VLAN

QoS

- Support 8 port queue

- Support port priority, 802.1p priority, DSCP priority

- Support SP, RR, WRR, WFQ Priority scheduling algorithm

Spanning Tree

- Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP(IEEE 802.1s) protocol

- Support loop protection, BPDU protection

Management and maintenance

- Support WEB management (HTTP) / - Support CLI (Telnet, local serial port)

- Support SNMP V1/V2/V3, Compatible with public MIBS

- Support LLDP, RMON / - Support IP Source protection, DoS protection

- Support CPU monitor, memory monitoring

- Support system log / - Support cable testing

Multicast

- Support IGMP v1 / v2 Snooping

- Support static multicast

- Support Multicast VLAN