FU SWAI 1816GM2+2SFP

Layer2 Manage PoE Switch

AI Smart POE Switch, 16*1000Mbps RJ45 port, 2*1000Mbps SFP port (POE is available).Support the management of Apollo cloud.

5 working modes:
Standard mode: All ports communicate freely;
AI VLAN: Avoid the internet storm and enhance the network ability;
AI Extend: Extend 250M transmission;
AI PoE: Automatic self checking, reboot the device while find it fake dead;
AI QoS, Video data first, more fluent transmission.

Overview

FU SWAI 1816GM2 is managed PoE switch for security transmission and WIFI coverage, meet the need of PoE power supply for WIFI AP, IP-camera, WIFI bridge, IP phones and other types of equipment. New generation of high-performance hardware and software platforms are used, providing flexible, cost-effective full Gigabit access and uplink ports, complete security mechanisms, improved ACL / QoS strategy and rich VLAN capabilities. It is easy to manage and maintain, meet the users' requirements for network equipment easy to manage, high security and low cost. Supporting Apollo Cloud One-stop Management Platform, realizing status checking and management monitoring functions, suitable for campus, Hotel and enterprise park network access, convergence, core multi-application scenarios

Product Features

• Full Gigabit Port
 16 1000Mbps RJ45 ports (support PoE power supply) with 2 Gigabit SFP ports, Data transmission is not jammed.

• Realtek chip, the performance is more stable and powerful
 Realtek high-performance chip can greatly improve networkdata processing rate

• Convenient operation
 AI VLAN mode: Separating 1-8 ports from each other, can
               effectively restrain network storm and improve network performance.
 AI Extend mode: Designed for monitoring application scenarios, 1-8 ports support 250 meters
               long distance power supply.

AI PoE mode：automatically check, reboot the device while find it fake dead

AI QoS mode：video data first, more fluent transmission

Support Apollo Cloud Platform One-stop Management
Support cloud platform for resource visualization management of switches and downloaded PD devices, make operation and maintenance management easy

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Specifications :

Network Standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x
	IEEE 802.3ab IEEE 802.3af IEEE 802.3a
Chipset	RealtekHigh Performance Chipset
Flash	16MB
Ram	128M DDR
Port	16 10/100/1000Mbps RJ45 ports
	2 Gigabit SFP ports
	1 Console Port
PoE	16 10/100/1000Mbps RJ45 port
	support PoE+
	Max 250W
	Single port max 46W
LEDs	18 Link/Act LEDs
	16 POE LEDs
	1 Power LED
	1 SYS LED
Porformance	Forwarding mode: store and forward
	Switch Volume (Full-duplex) : 36Gbps
	Packet forwarding rate : 26.78Mpps
	8K MAC address table
lightning protection	6KV
ESD	ESD No barrier: ±6KV Air : ±8KV
Input	100-240V/50-60Hz
Dimension(LxWxH)	440mm×180mm×44mm

Protocol 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 Ethernet (fiber)
	IEEE 802.3ad:Standard method for performing link aggregation
	IEEE 802.3x:flow control
	IEEE 802.1p:LAN Layer 2 Qos/Cos protocol for traffic priority (multicast filtering)
	IEEE 802.1q:VLAN
	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 AI VLAN
	One key Extend(1-8 port 250meters PoE distance)
	One key AI PoE
	One key Q0S (Video priority)
DHCP	Support DHCP Snooping
VLAN	Support 4K VLAN
	Support 802.1Q VLAN、 MAC VLAN ,IP VLAN
	Voice VLAN
MAC address table	Comply the IEEE 802.1d standard
	Support MAC address learning and aging automatically
	Support static, dynamic, filter address table
Safety	Password protection
	Support based on the port number, IP address, MAC address restrictions on user access
	Support HTTPS、 SSL V3、 TLS V1、 SSH V1/V2
	Support IP-MAC-PORT ternary binding
	Support ARP protection, IP source protection, DoS protection
	Support DHCP Snooping、 DHCP attack protection
	Support 802.1X certificated、 AAA
	Support port security, port isolation
	Support CPU protection
POE management	Support POE power limit
	Support POE chip status view
	Support setting PoE port priority
	Support setting PoE power supply time period
Access control(ACL)	Support L2 (Layer 2) ~ L4 (Layer 4) packet filtering
	Support port mirroring, port redirection,flow rate limiting, QoS re-marking
Quality of Service (QoS)	Support 8 port queue Support port priority, 802.1p priority, DSCP priority
	Support SP, RR, WRR, WFQPriority scheduling algorithm
	Support port priority, 802.1p priority, DSCP priority
	Support automatically identify, manage and acquire of connected equipment information

Multicast	Support IGMP v1/v2 Snooping
	Support static multicast
	Support multicast VLAN
	Support multicast filtering, message statistics, unknown multicast discarding
Spanning Tree	Support STP(IEEE802.1d), RTSP(IEEE802.1w) and MSTP(IEEE 802.1s) protocol
	Support loop protection, BPDU protection
Storm suppression	Support for multicast suppression
	Support broadcast suppression
	Support for unknown unicast suppression
Link aggregation	Support static aggregation
	Support dynamic aggregation
	Support IP, Mac, hybrid load balancing mode
	Support up to 32 aggregation groups
IPv4/v6	Support Ping, Tracert, Telnet, SSH, SSL
Management and maintenance	Support WEB management (HTTP, HTTPs, SSL V3)
	Support CLI (Telnet, Local serial port)
	Support SNMP V1/V2/V3
	Support LLDP, RMON
	Support ARP protection, IP source protection, DoS protection
	Support CPU monitor, memory monitoring
	Support System log
	Support ping, Tracert detect cable testing