

SG2008PSG2

L2 Managed POE Switch

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Product Description



SG2008PSG2

8*10/100/1000Base-T POE,2*1000Mbps SFP (100-240V,50-60Hz)

SG2008PSG2 is a high performance the second managed gigabit switch. Provides 8*10/100/1000Mbps self-adaption RJ45 ports, plus two 100/1000Mbps SFP ports, it can be used to link bandwidth higher upstream equipment. Support VLAN ACL based on port, easily implement network monitoring, traffic regulation, priority tag and traffic control. Support traditional STP/RSTP/MSTP 2 link protection technology; greatly improve the ability of fault tolerance, redundancy backup to ensure the stable operation of the network. Support ACL control based on the time, easy control the access time accurately. Support 802.1x authentication based on the port and MAC, easily set user access. Perfect QOS strategy and plenty of VLAN function. PoE ports can automatically detect and supply power with those IEEE 802.3at/af compliant Powered Devices (PD). In this situation, the electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, where you wish to fix devices such as AP, IP Cameras or IP Phones, etc.

Hardware Specifications

Parameter		Nominal
Model		SG2008PSG2
Chipset		RTL8380M+RTL8238C
Standards		IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3ad, IEEE802.1P, IEEE802.1Q
Network Media		10BASE-T: UTP category 3,4,5 cable (maximum 100m) 100BASE-Tx: UTP category 5,5e cable (maximum 100m) 1000BASE-T: UTP category 5e,6 cable (maximum 100m) 1000Base-SX:62.5µm/50µm MMF(2m~550m) 1000Base-LX:62.5µm/50µm MMF(2m~550m) or 10µm SMF (2m~5000m)
Transfer Method		Store-and-Forward
Memory	DRAM(DDR3)	128MByte
	FLASH(SPI)	16MByte
Switching Capacity		20Gbps
Packet Forwarding Rate		14.88Mbps
Packet Buffer		4.1Mbit
MAC Address Table		8K
Number of Ports		8 x 10/100/1000Mbps Auto-Negotiation ports 2 x 100/1000Mbps SFP port 1 xConsole port
PoE Ports(RJ45)		8* PoE ports compliant with IEEE802.3at/af
Power Pin Assignment		1/2(+),3/6(-)
PoE Budget		120W
LED indicatorsPer Device		Power: Green. System: Green Port LINK/ACT:Green. POE:RED
Power Supply		AC 100-240V/50-60Hz
System Power Consumption		Maximum: 7.35W(220V/50Hz)
Dimensions (W x D x H)		256*170*44mm
Environment		Operating Temperature: 0°C - 45°C Storage Temperature: -40°C - 70°C Operating Humidity: 10%~90% RH non-condensing Storage humidity: 5%~90% RH non-condensing

Software Specifications

Parameter	Nominal
System	IP Configuration(IPV4、 IPV6) User Configuration Time Settings(SNTP) Log Management SNMP Management(V1,V2C,V3) RMON(1,2,3,9)
Port	Port Configuration Link Aggregation(static、 LACP) Port Mirroring Jumbo Frame
Vlan	Port based VLAN,Private VLAN MAC based VLAN Voice VLAN Gvrp
IGMP	IGMP Snooping (V2、 V3) Multicast Group (256)
STP	IEEE 802.1D STP IEEE 802.1W RSTP IEEE 802.1S MSTP
Security	Broadcast / Uncast / Multicast Storm Control IEEE 802.1x, Radius, TACACS+ DHCP Snooping/DHCP Relay DHCP Server ERPS IP Source Guard ARP Check DAI
ACL	MAC-Based ACL MAC-Based ACE IPv4-Based ACL IPv4-Based ACE
QoS	WRR (Weighted Round Robin) Port based QoS IEEE 802.1p Class of Service DSCP-based QoS QoS basic mode QoS advanced mode (Policy based)
Bandwidth Control	Ingress Port Ingress VLAN Egress Port Egress Queue
MAC Address Setting	Static Mac Setting MAC Filtering Dynamic Address Learn/Setting