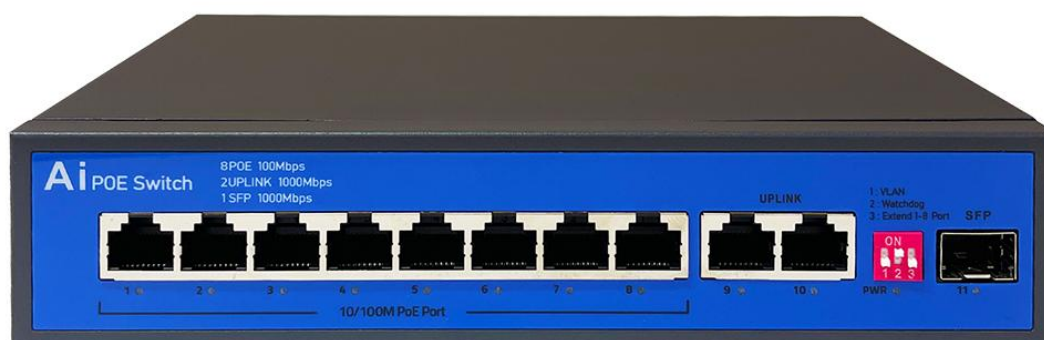


DATA SHEET

8+2+1F Gigabit Uplink Smart POE Switch



【Product Overview】

S8021F series unmanaged PoE switches with 8 100Megabit ports + 2 Gigabit uplink ports + 1 Gigabit uplink SFP optical ports, of which ports 1-8 support IEEE 802.3af/at standard PoE power supply, with single-port PoE power up to 30W. SF8021G service ports support 4KV electrostatic lightning protection, and the downlink port supports POE watchdog automatic restart troubleshooting function, port VLAN isolation function and one-key 10m/250m long-distance transmission mode and other diversified functional switches, the use of operation and maintenance is simpler and more efficient. As a PoE power supply device, it can automatically detect and identify powered devices that meet the standard and supply power to them through the network cable. It can supply power to POE terminal devices such as wireless AP, webcam, IP telephone, and visual access control intercom through the network cable to meet the demand for high-density PoE power supply network environment, which is suitable for hotels, campuses, parks, communities and small and medium-sized enterprises to establish an economical and efficient network.

Non-network management model, plug and play, no configuration, easy to use.

【Product Feature】

- Single-port PoE power up to 30W, af/at adaptive, widely compatible with a variety of network terminals;
- Gigabit photoelectric hybrid uplink ports, greater bandwidth to adapt to a variety of networking cascade and expansion, networking is more simple;
- Supports 10m/250m long-distance transmission, automatically optimizes the network, and easily solves long-distance point communication and power supply problems;
- 1~8 ports support PoE watchdog function, automatic restart, intelligent troubleshooting, reducing the number of visits for maintenance and lowering after-sales O&M costs;
- Supports port VLAN to suppress network storms and improve network transmission stability;
- Enterprise-class high-bandwidth switching chip, high backplane, large cache, reduce network congestion;
- Support IEEE802.3X full-duplex intelligent flow control, large-code stream HD transmission without delay;
- Supports MAC address auto learning and updating, and port auto flip (Auto MDI/MDI-X) function;
- The service port supports 4KV anti-surge (lightning) protection, PoE short-circuit and overload protection for safer and more secure use;
- Steel forging metal shell, shielding interference, strong heat dissipation, strong, rust-proof more durable;
- Plug and play, no configuration required, easy and simple to use.

【Technical Specifications】

Model		S8021F
Port Characteristics		
Fixed Port	Downlink port	8* 10/100Base-TX RJ45 network port
	Uplink port	2* 10/100/1000Base-T RJ45 network port 1* 1000M SFP optical port slot
	PoE port	1-8 support af/at standard PoE power supply, transmission distance 100-250 metres
Port Characteristics		1-8 ports 10/100M, 9-10 ports 10/100/1000M adaptive, full/half duplex MDI/MDI-X adaptive
Twisted Pair Transmission		10BASE-T: Cat3,4,5 UTP(≤250 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)
Optical Port Characteristics		Gigabit SFP fibre optic interface, default does not support optical module, need to purchase separately, (optional order mode/multimode, single/dual fibre optical module, LC/SC)
Fibre-optic Cable		Multimode : 850nm 0~550M Single mode : 1310nm 0~40KM , 1550nm 0~120KM
Function Switch	Tranche1: VLAN	Toggle to "ON" to realize the function of power supply port isolation, default "OFF"
	Tranche2: PoE Watchdog	Toggle to "ON" to enable the PoE auto restart function of the power supply port, default "OFF"
	Tranche3: Extend	Toggle to "ON" to turn on the power port to achieve 10m/250m long distance function, default "OFF"
Switching Chip Parameter		
Network Management Type		Unmanaged switch
Networking Protocol		IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x Flow Control; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE 802.3af DTE Power via MDI; IEEE 802.3at DTE Power via MDI;
Transfer Mode		Store-and-forward (top speed)
Backplane Bandwidth		7.6Gbps (non-obstructive)
Packet Forwarding Ratio@64byte		5.654Mpps

MAC Address Table	2K
Packet Forwarding Cache	2Mbits
Giant Frame	9.2Kbytes
Indicator Light	Power indicator: PWR (green); Network indicator: 1-10 (green); Optical port indicator: 11 (green)
MTBF	100,000 hours
POE and Power Characteristics	
POE Port	1-8 ports support IEEE802.3af/at standard POE power supply
Power Supply Pins	Default 1/2(+), 3/6(-) 4-pole power supply
Maximum PoE power per port	30W, standard IEEE802.3af/at
Total Power/ Input Voltage	96W (AC100-240V)
Power Consumption	Standby power consumption: <6W; Full load power consumption: <120W
Matching power supply	Built-in switching power supply AC: 100~240V 50-60Hz 2.0A
Physical Specification Parameters	
Operating Temperature/Humidity	-20~+55°C; 5%~90% RH,non-condensing
Storage Temperature/Humidity	-40~+75°C; 5%~95% RH,non-condensing
Appearance Size (L*W*H)	202mm*140mm*44mm
Net/Gross weight	0.72kg / 0.92kg
Installation Method	Desktop, wall mounted
Product Certification And Warranty	
Lightning Protection / Protection Level	Port lightning protection: 4KV 8/20us; Protection Level: IP30
Safety Certification	CE,FCC,RoHS
Warranty Period	3 years

【Packing List】

	Item Name	Quantity	Unit
Packing List	8+2+1F Gigabit Uplink Smart POE Switch	1	set
	AC Power Cord	1	piece
	Quick start guide	1	piece
	Warranty Card and Certificate of Conformity	1	piece

【Ordering Information】

Equipment Name	Equipment Information	Standard Power Supply
SF8021G	Unmanaged 8 10/100M ports + 2 10/100/1000M ports + 1 Gigabit SFP optical port uplink smart PoE switch, 1-8 ports support IEEE 802.3af/at international standards, support PoE watchdog auto-restart, support port VLAN isolation, support for 10M/250 metres long-distance transmission, built-in power supply, desktop, wall-mounted Installation.	Input: AC100-240V Output: DC52V
<p>Note: Products shipped by default does not include the SFP optical module, if you need, you need to buy independently</p>		

【Option Information】

Name	Model number	Descriptions	Unit
1.25 Goptical module	SFP-1.25G-SM13 10/1550-SC	SFP optical module, 1.25G, single-mode single-fibre SC interface, transmission distance 3/20/40/60/80/100/120km optional, support for DDM function, support for hot-swap.	pair
	SFP-1.25G-SM13 10/1550-LC	SFP optical module, 1.25G, single-mode single-fibre LC interface, transmission distance 3/20/40/60/80/100/120km optional, support DDM function, support hot-swap.	pair
	SFP-1.25G-LX-SM 1310	SFP optical module, 1.25G, single-mode dual-fibre LC interface, transmission distance 3/20/40/60/80/100/120km optional, support for DDM function, support for hot-swap.	piece
	SFP-1.25G-SX-M M850	SFP optical module, 1.25G, multi-mode dual-fibre LC interface, transmission distance 550M, support DDM function, support hot-swap.	piece
Electrical Port Module	SFP-1000Base-T- 100M	1.25G SFP optical module to 10/100/1000M RJ45 network port, (optical to electrical)	piece