

DATA SHEET

8+2 100 Mbit Intelligent POE Switch



【Product Overview】

SF802E series unmanaged PoE switches with 8 100 Megabit electrical ports + 2 100 Megabit uplink electrical ports, of which ports 1-8 support IEEE 802.3af/at standard PoE power supply, with single-port PoE power up to 30W. SF802E 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;
- Dual uplink ports, adapted to a variety of networking cascade and expansion, networking is more simple;
- Supports 10m/250m long-distance transmission, automatically optimises 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;

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- 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		SF402E	SF802E
Port Characteristics			
Fixed Port	Downlink port	4* 10/100Base-TX RJ45 network port	8* 10/100Base-TX RJ45 network port
	Uplink port	2* 10/100Base-TX RJ45 network port	2* 10/100Base-TX RJ45 network port
	PoE port	1-4 Support af/at standard PoE power supply, Transmission distance 100-250 meters	1-8 Support af/at standard PoE power supply, Transmission distance 100-250 meters
Port Characteristics		1-6 ports 10/100M adaptive, full/half duplex MDI/MDI-X adaptive	1-10 port 10/100M adaptive, full/half duplex MDI/MDI-X adaptive
Twisted Pair Transmission		10BASE-T: Cat3,4,5 UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter)	
Function Switch		Tranche1: VLAN	Toggle to "ON" to realise 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; IEEE 802.3af DTE Power via MDI; IEEE 802.3at DTE Power via MDI;	

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Transfer Mode	Store-and-forward (top speed)	
Backplane Bandwidth	1.6Gbps (non-obstructive)	2Gbps (non-obstructive)
Packet Forwarding Ratio@64byte	0.89Mpps	1.488Mpps
MAC Address Table	1K	2K
Packet Forwarding Cache	768Kbits	1.25Mbits
Giant Frame	1536bytes	
Indicator Light	Power indicator: PWR (green); Network indicator: 1-6/1-10 (green)	
MTBF	100,000 hours	
POE and Power Characteristics		
POE Port	1-4 ports support IEEE802.3af/at standard POE power supply	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	48W (AC100-240V)	96W (AC100-240V)
Power Consumption	Standby power consumption: <3W Full load power consumption: <65W	Standby power consumption: <5W Full load power consumption: <120W
Matching power supply	Built-in switching power supply AC: 100~240V 50-60Hz 1A	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)	200mm*118mm*44mm	202mm*140mm*44mm
Net/Gross weight	0.58kg / 0.78kg	0.67kg / 0.88kg
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】

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Packing List	Item Name	Quantity	Unit
	8+2 100 Mbit Intelligent 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
SF402E	Unmanaged 4 10/100M network ports + 2 10/100M uplink ports Smart PoE Switch, 1-4 ports support IEEE 802.3af/at international standard, support PoE watchdog auto restart, support port VLAN isolation, support 10M/250m long distance transmission, built-in power supply, desktop and wall-mounted installation.	Input: AC100-240V Output: DC52V
SF802E	Unmanaged 8 10/100M network ports + 2 10/100M uplink ports intelligent PoE switch, 1-8 ports support IEEE 802.3af/at international standard, support PoE watchdog auto restart, support port VLAN isolation, support 10M/250m long distance transmission, built-in power supply, desktop and wall-mounted installation.	

【Contact Us】

Shenzhen Mosslink Technology Co., Ltd

E-Mail: sales@moss-link.com

Website: moss-link.com

Adress: Building A7, Huafa Industrial Park, Fuyuan 1st Rd, Bao'an District, Shenzhen, China

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