

Product Datasheet

10-port Full Gigabit Industrial Ethernet Switch

SUN-IPS33108F



SUN-IPS33108F è uno switch industriale full gigabit in fibra Ethernet. È stato progettato per soddisfare le esigenze dei settori e dei sistemi industriali e può funzionare in modo stabile per lungo tempo in ambienti difficili. Dispone di 8* porte RJ45 adattive 10/100/1000M e 2* porte SFP in fibra 1000M. Ogni porta può supportare l'inoltro a piena velocità di linea.

Lo switch Ethernet industriale SUN-IPS33108F ha un'eccellente adattabilità all'ambiente industriale, un livello di protezione fino a IP40, il supporto per la doppia alimentazione ridondante, un basso consumo energetico e la tecnologia di raffreddamento senza ventola, un tempo di lavoro medio senza problemi MTBF fino a 35 anni.

■ **Gigabit Ethernet port access, uplink gigabit dual SFP port**

- ◇ Uplink gigabit dual fiber ports,easy to achieve high bandwidth and long-distance transmission.
- ◇ Dual SFP fiber ports can cascade, chain, compatible with SFP module connection.

■ **Powerful port lightning protection**

- ◇ Industrial dual power input
- ◇ Non-PoE DC INPUT: 12-48V.
- ◇ Contact discharge 8KV, air discharge 15KV; port lightning protection common-mode 4KV, differential mode 2KV.

■ **Stable and reliable**

- ◇ CCC,CE, FCC, RoHS.
- ◇ Low power consumption, No fan design, aluminum shell.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, SYS, Link, L/A

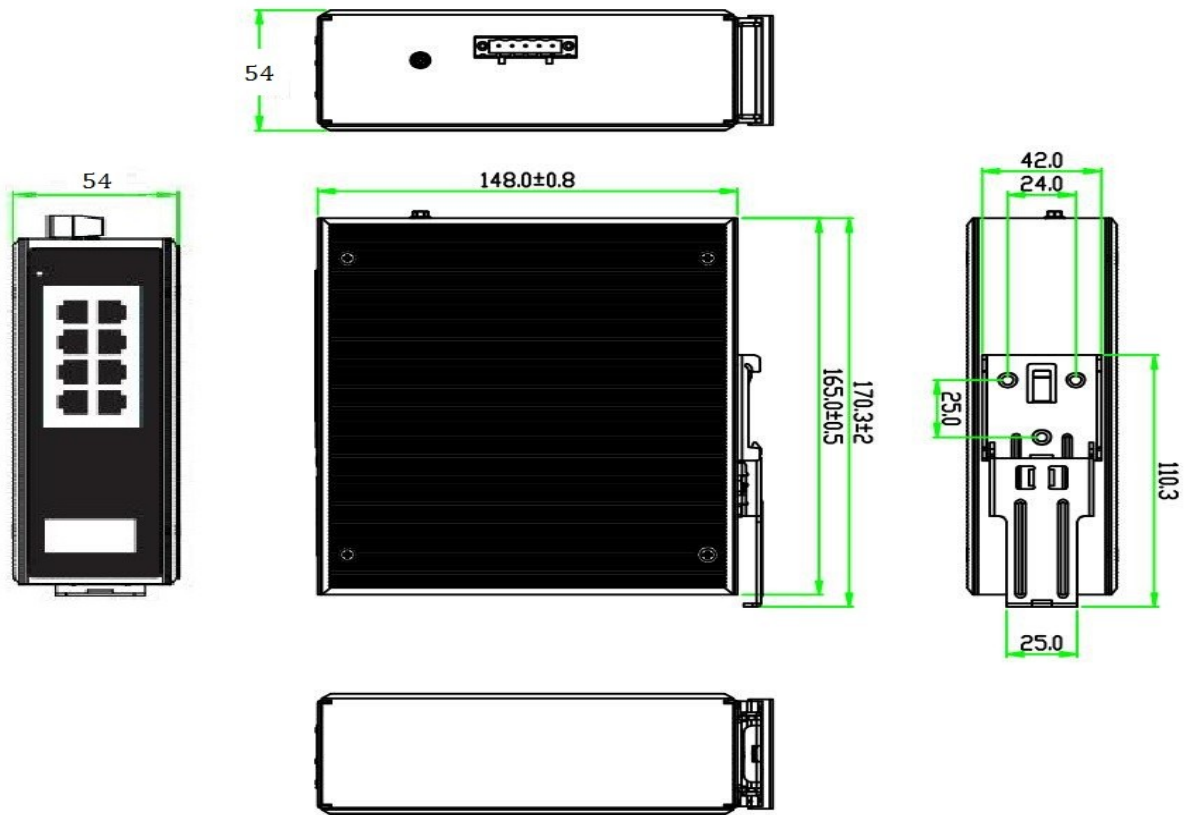
TECHNICAL SPECIFICATION

Model	SUN-IPS33108F	SUN-IPS33128F
Interface Characteristics		
Fixed Port	8*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP fiber slot ports (Data)	10*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP fiber slot ports (Data)

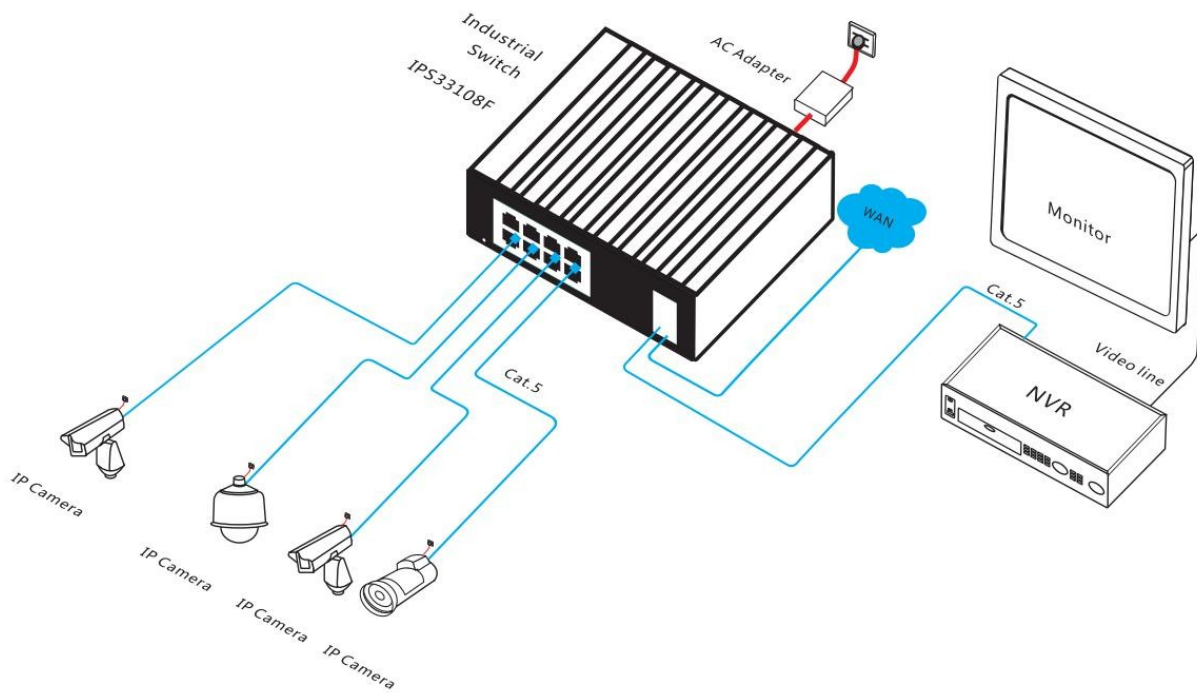
	2 sets of V+, V- redundant DC power interface (5P Phoenix terminal)	2 sets of V+, V- redundant DC power interface (5P Phoenix terminal)
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
Ethernet Port	Port 1-8/10 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption	
SFP Slot Port	Gigabit SFP optical fiber interface, default not include optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable/ Distance	Multi-mode: 850nm/ 0~500M, Single-mode: 1310nm/ 0~40KM,1550nm/ 0-120KM.	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	20Gbps	24Gbps
Forwarding Rate@64byte	14.88Mpps	17.86Mpps
MAC	8K	
Buffer Memory	4M	
Jumbo Frame	9.2K	
LED Indicator	Power: PWR (Green), Network: Link, link/Act (Yellow)	
Power Supply		
Power Consumption	Standby<8W, Full load<20W	
Working Voltage	12-48VDC, 5 Pin industrial Phoenix terminal, support anti-reverse protection.	
Power Supply	No, optional 24V/24W industrial power supply	
Physical Parameter		

Operation TEMP / Humidity	-40~+75°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C, 5%~95% RH Non condensing
Dimension (L*W*H)	165*148*54mm
Net /Gross Weight	<1.3kg / <1.8kg
Installation	Desktop, DIN rail
Certification & Warranty	
Lightning Protection	<p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV</p> <p>IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022):Class B</p> <p>IEC61000-6-2(Common Industrial Standard)</p>
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)
Certification	CCC, CE mark, commercial, CE/LVD EN60950, FCC Part 15 Class B RoHS

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description	Recommended Power Supply
SUN-IPS33108F	Unmanaged industrial Ethernet fiber switch with 8*10/100/100M RJ45 ports and 2*1000M uplink SFP slot ports. It can support DC dual redundant power input and DIN rail mounting.	24W
SUN-IPS33128F	Unmanaged industrial Ethernet fiber switch with 10*10/100/100M RJ45 ports and 2*1000M uplink SFP slot ports. It can support DC dual redundant power input and DIN rail mounting.	24W

Note: Industrial Ethernet switch does not include the SFP optical module and power supply.

OPTICAL MODULE INFORMATION

Product	Model	Description	Unit
1.25G Optical Module	SUN-2630	SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.	PC
	SUN-2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	SUN-2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug	PC

		and pull.	
	SUN-2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	SUN-2612-T-G	Industrial SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	SUN-2613-R-G	Industrial SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	SUN-2612-T-SC	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
	SUN-2613-R-SC	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module	SUN-2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

POWER SUPPLY SELECTION TABLE

Product	Model	Description	Unit
24W DIN Rail Industrial Power Supply	SUN-DP24-24	Din Rail type 24W single set of output power supply; Input Voltage:AC 100V~240V 50-60Hz, 0.35A Output Voltage:DC 24V 1A Operation Temperature:-40°C—+70°C	PC

RELATED PRODUCT

Model	Description
SUN-IPS33021F	Unmanaged industrial Ethernet fiber switch with 1*10/100/1000M RJ45 port and 1*1000M SFP slot port. It can support dual DC redundant power input and DIN rail mounting.
SUN-IPS33032F	Unmanaged industrial Ethernet fiber switch with 2*10/100/1000M RJ45 ports and 1*1000M SFP slot port. It can support dual DC redundant power input and DIN rail mounting.
SUN-IPS33042F	Unmanaged industrial Ethernet fiber switch with 2*10/100/1000M RJ45 ports and 2*1000M SFP slot ports. It can support dual DC redundant power input and DIN rail mounting.
SUN-IPS33064	Unmanaged industrial Ethernet fiber switch with 6*10/100/1000M RJ45 ports. It can support dual DC redundant power input and DIN rail mounting.
SUN-IPS33064F	Unmanaged industrial Ethernet fiber switch with 4*10/100/1000M RJ45 ports and 2*1000M SFP slot ports. It can support dual DC redundant

	power input and DIN rail mounting.
SUN-IPS33108	Unmanaged industrial Ethernet fiber switch with 10*10/100/1000M RJ45 ports. It can support dual DC redundant power input and DIN rail mounting.

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