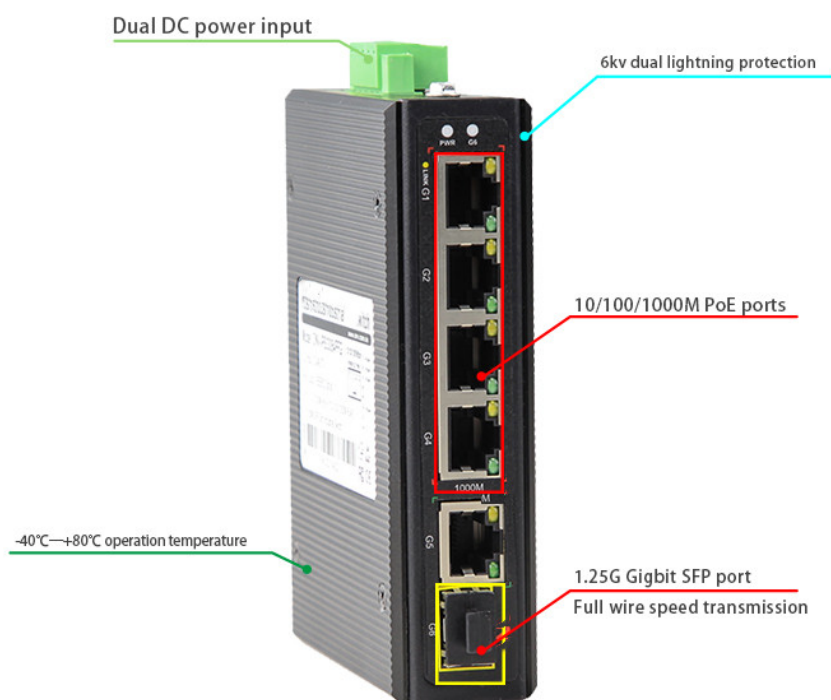


# IPSW-G04-1GE1SFP

## Industrial Unmanaged 6-port Gigabit PoE Switch

### Data Sheet and User Guide



## OVERVIEW

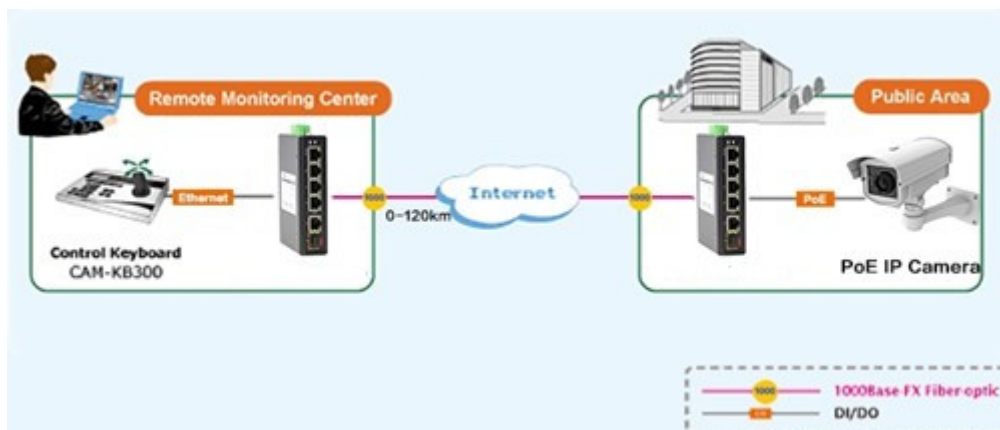
- 5\*10/100/1000Base-T RJ45 ports and 1\*1000M uplink SFP slot, port 1-4 can support PoE
- Uplink: 1 Gigabit SFP slot and 1 Gigabit Ethernet port
- Dual power supply redundant inputs
- 6KV port lightning protection,
- -40°C - +80°C operation temperature
- Large cache military-level master chip configuration
- IP40 protection aluminum alloy case
- 5-year warranty

## DESCRIPTION

**IPSW-G04-1GE1SFP** is a full Gigabit industrial PoE switch with 5x10/100/1000Base-T RJ45 ports and 1x1000Base-X uplink SFP slot. Port 1-4 can support IEEE 802.3af/at PoE standards, single-port PoE power up to 30W. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal device such as wireless AP, IP camera, industrial sensor through the network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction form a cost-effective, stable and reliable communication networks. It is unmanaged, plug and play, no configuration needed and easy to use.

## FEATURE

- ◇ Uplink Gigabit SFP fiber port, easy to achieve high bandwidth and long-distance transmission
- ◇ SFP fiber port can cascade, chain, compatible with SFP module connection



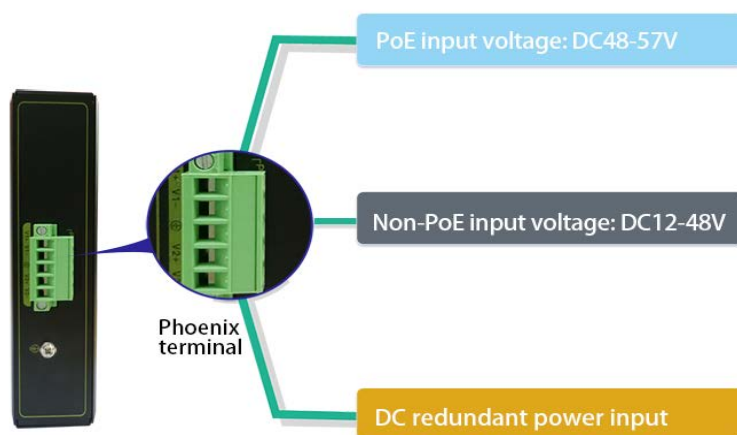
- ◇ Contact discharge 8KV, air discharge 15KV; port lightning protection, common-mode 4KV, differential mode 2KV
- ◇ Industrial dual power inputs
- ◇ DC INPUT: 48-57VDC, non-PoE DC INPUT: 12-48VDC



Contact discharge 8KV

Air discharge 15KV

Port lightning protection 6KV



- ◇ 4\*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage and other scenarios
- ◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- ◇ Low power consumption, no fan low noise design, aluminum shell
- ◇ Meet CCC, CE, FCC, RoHS standards
- ◇ The user-friendly panel shows the device status through the LED indicators of PWR, SYS, Link, L/A PoE.

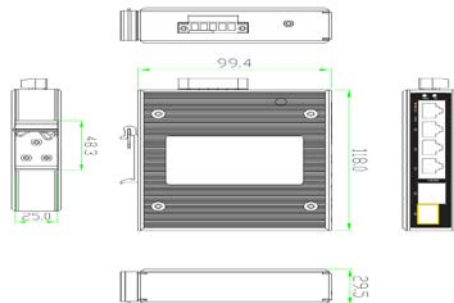


## TECHNICAL SPECIFICATION

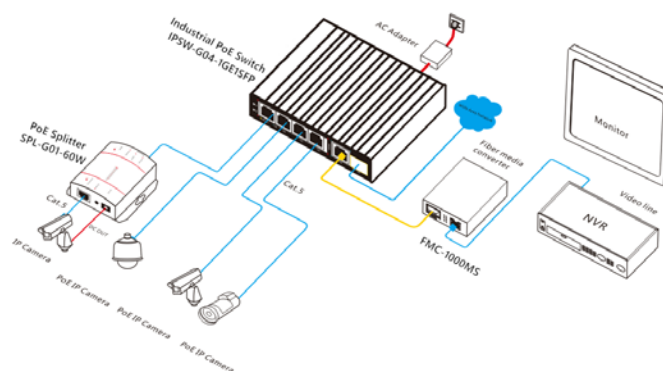
Model	IPSW-G04-1GE1SFP	
<b>Interface Characteristics</b>		
Fixed Port	4*10/100/1000Base-T PoE ports (Data/Power) 1*10/100/1000Base-T uplink RJ45 port (Data) 1*1000Base-X uplink SFP fiber slot port (Data) 2 sets of V+, V- redundant DC power input ports (5P Phoenix terminal)	
Ethernet Port	Port 1-4 support 10/100/1000Base-T auto sensing, full/half duplex MDI/MDI-X self-adaption	
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)	
Fiber Port	Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Fiber	Multi-mode: 850nm 0 ~ 550M, 1310nm 0 ~ 20Km Single mode: 1310nm 0 ~ 40Km, 1550nm 0 ~ 120Km	
<b>Chip Parameter</b>		
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	12Gbps	
Forwarding Rate@64byte	8.93Mpps	
MAC	2K	
Buffer Memory	2M	
Jumbo Frames	9.2K	
LED Indicators	Power: PWR (green), Network, Link (yellow), PoE, PoE (green) Fiber port :6 (green)	
<b>PoE &amp; Power</b>		
PoE Ports	Port 1 to 4 IEEE802.3af/at @ POE	
PoE Power Pins	1/2 (+), 3/6 (-) & 4/5 (+), 7/8 (-)	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	120W/48VDC	
Power Consumption	Standby<6W, Full load<240W	
Working Voltage	48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.	
Power Supply	No, optional 48V/240W industrial power supply	
<b>Physical Parameter</b>		
Operation TEMP / Humidity	-40~+80°C; 5%~90% RH Non-condensing	
Storage TEMP /	-40~+85°C;5%~95% RH Non-condensing	

Humidity	
Dimension	119*100*30mm
Net /Gross Weight	<1.0kg
Installation	Desktop, 35mm DIN rail
<b>Certification &amp; Warranty</b>	
Lightning Protection / Protection Level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation): 30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022): Class A IEC61000-6-2(Common Industrial Standard)
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;
Warranty	5 years, life-time maintenance

## DIMENSION



## APPLICATION



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