San Telequip (P) Ltd.,
504 & 505 Deron Heights, Baner Road
Pune 411045, India
Phone : +91-20-27293455, 9764027070, 8390069393
email   : info@santelequip.com

SAN TELEQUIP
Connecting. Converting. Leading!

10 Port Industrial Unmanaged POE Gigabit Ethernet Switch, Model No. IPSG 108-2S A

Overview

IPSG 108-2S Industrial Unmanaged POE Switch is a High Power Sourcing Equipment (PSE) device that compliant with the IEEE802.3af/at standard, providing Power-over-Ethernet over twisted pair cables in an Ethernet network. With Two Gigabit SFP Slot, the switch extends Ethernet over distance via fiber, while also eliminating the need for individual power supply for IP video camera and wireless access points. The IPSG 108-2S features 8 x 10/100/1000Base-T twisted-pair ports and 2 x 1000Base-X SFP Slots. The SFP slot is for any kind of MSA-compliant pluggable 1.25G SFP Transceivers. The twisted-pair port has 8 x RJ-45 connector with a maximum operating distance of 100m.

Features

- Provide 8 x 10/100/1000Base-TX POE port
- 2 x 1000Base-X SFP Slot for Daisy-Chain
- IEEE803.3af/at complaint
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-Forward
- Support Force 10M by DIP Switch
- Support wide operating temperature (-40°C to +85°C)

- Support VLAN by DIP Switch (Option)
- Wide-range Redundant power design (12 to 56VDC)
- Reverse polarity protecting
- Overload current resettable fuse present
- IP40 Ingress protection
- Provide EFT protection for Power line
- Support Ethernet ESD protection
- DIN-Rail and Wall-Mounted Installation
- Low power consumption

Technical Specifications

Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3d, IEEE803.3af/at
Performance	Processing Type : Store and Forward Back Bandwidth : 20Gbps MAC Address Size : 16Kbits Packet Buffer Size : 2Mbit Time Delay : <10us Frame : 10Kbytes
Copper Port	Data Rate : 10/100/1000M Connector : RJ45 x 8 Distance : 100m
Fiber Port	Data Rate : 1.25G Connector : SFP slot x 2 Distance : Depends on SFP Transceivers, Upto 110Km

LED indicators	PWR1 : ON=Power Connected PWR2 : ON= Power Connected FL/A : Copper Connected. Active= Data Transmitting TL/A : Fiber Connected. Active= Data Transmitting

Power	Input Voltage : 10 -56V DC, Redundant power inputs
	                              : 48V for PoE Mode
	Power Consumption : ≤8W
	PoE Budget : 15.4Wx8=123W(PoE)
	                                30Wx8 =240W(PoE+)
	Protection : Overload Current, Reverse Polarity
	Connector : Terminal Block

Environment	Operating Temperature : -40˚C to +85˚C Storage Temperature : -40˚C to +95˚C Relative Humidity : 5 to 95% (no condensation)
Physical Characteristics	Housing : IP40 Protection, Aluminum Alloy Installation : DIN-rail mounting, wall mounting(with kit) Dimension : 138*107*45mm(device) Weight : 0.48kg(device)

DIP Switch (Optional)

DIP Switch Define	DIP1	DIP2	DIP3	DIP4
Default (10/100/1000M Auto-negotiation)	OFF	OFF	OFF	
VLAN Logical Isolation	ON	OFF	OFF	
VLAN Physical Isolation	OFF	ON	OFF	
Force 10M (150 meters)	ON	ON	OFF	N/C
1+1 Fiber	OFF	OFF	ON	
1+1 Fiber + VLAN Logical isolation	ON	OFF	ON	
1+1 Fiber + VLAN Physical isolation	OFF	ON	ON	
1+1 Fiber + Force 10M (150 meters)	ON	ON	ON	

Note: The 1+1 Fiber function takes effect in using our 4 ports or 8 ports Industrial switch at both side; the one fiber device doesn't support this function.

San Telequip (P) Ltd.,
504 & 505 Deron Heights, Baner Road
Pune 411045, India
Phone : +91-20-27293455, 9764027070, 8390069393
email   : info@santelequip.com

Standards and Certifications tested for

EMC	CE
EMI	FCC Part 15 CLASS A
EMS	IEC 61000-4-2 Level 4 (8K/15K)
	IEC 61000-4-3 Level 3 (10V/m)
	IEC 61000-4-4 Level 3 (1V/2V)
	IEC 61000-4-5 Level 3 (4KV/2KV)
	IEC 61000-4-6 Level 3 (10V/m)
	IEC 61000-4-8 Level 4 (30A/m)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32 0.5m
Vibration	IEC 60068-2-6
Railway Traffic	EN50121-4

Order Information	IPSG 108-2S A
Model No.	Description
IPSG	Giga Unmanaged PoE Switch
108	8 * 10/100/1000M
2S	2 * Giga SFP Slot
D	DIP Switch (Optional)
A	Fixed

Note   : 48V Power supply to be provided by user or to be ordered additionally
: SFP to be ordered separately

NOTE :
- It is advisable that you use PoE Surge protectors on each port of the Switch.
- The PoE Surge protector has to be installed within 10m distance of the ports.
- It is mandatory that the Switch along with the PoE Surge protectors are very securely earthed.
- Failing which the Switch/Switch ports are likely to be damaged