SW800-GEP

Industrial Gigabit Ethernet Switch POE

INTRODUCTION

The SW800-GEP is a eight Gigabit ports, smart, unmanaged industrial Ethernet switch support Power-over-Ethernet on RJ45 ports. This PoE switches enable centralization of the power supply, providing up to 30 watts of power per port and reducing the effort needed for installing power.

The switches can be used to power IEEE 802.3af/at standard devices (power devices), eliminating the need for additional wiring, and they support IEEE 802.3/802.3u/802.3x with 10/100/1000M, full/half-duplex, MDI/MDI-X auto-sensing to provide an economical high-bandwidth solution for your industrial Ethernet network.

The compact size, wide-temperature, Din-rail mounting, highe level EMI/EMC capabilities, rugged metal housing protection level up to IP40, dual redundant power input, low power consumption, and excellent heat dissipation features. Which are ideal for applications that require reliable industrial Ethernet connections.

KEY FEATURES

- 10/100/1000BaseT(X) (RJ45 connector), Full/Half duplex mode, Auto MDI/MDI-X connection
- IEEE 802.3af/at, PoE standards
- Store and Forward
- IP40-rated metal housing
- DC 48V-57V voltage, Reverse Polarity Protection, 4A Overcurrent Protection
- -40 to 85°C wide operating temperature range
- Industrial Grade, MTBF (Mean Time Between Failure) over 300,000 hours
- Lightning Surge Protection (power supply): 5000A (8/20 μ)

SPECIFICATION

Interfaces	
Ethernet Ports	8×Gigabit Ethernet interface(RJ45), Auto MDI/MDI-X, Auto negotiation speed
Network Standards	IEEE802.3 - CSMA/CD IEEE802.3i - 10Base-T IEEE802.3u - 100Base-TX/FX IEEE802.3x for flow control IEEE802.3z - 1000Base-X IEEE802.3ab - 1000Base-T
PoE Parameters	
Standards	IEEE802.3af / IEEE802.3at, auto-sensing
Consumption	Each PoE Port (Max): 15.4 W (IEEE 802.3af) Each PoE Port (Max): 30 W (IEEE 802.3at)
Output Voltage	DC 48-57V
PoE Pinout	V+, V+, V-, V- for pins 1, 2, 3, 6
Switch Properties	
Processing Type	Store and Forward
MAC Table Size	1 K
Packet Buffer Size	1 M
Forwarding Rate	1.1904Mpps
Switching Capacity	1.6Gbps
Consumption	Less than 3W
Power Supply	
Connection	Industrial phoenix terminal block(s), dual redundant power input

Input Voltage	DC 48V-57V
Overload Current Protection	Support
Reverse Polarity Protection	Support
Lightning Surge Protection	5000A (8/20μ)
Physical Characteristics	
Dimensions	144 x 105 x 48 mm
Installation	DIN-rail mounting, Desktop
Weight	Around 640g
Housing	Metal, IP40
Environmental Limits	
Ambient Relative Humidity	5 to 95% (non-condensing)
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Standards/Certification	
EMC	EN 55022 Class A
EMI	FCC Part 15 Subpart B Class A
EMS	IEC(EN)61000-4-2(ESD): ±8kV(contact), ±15kV(air) IEC(EN)61000-4-3(RS): 10V/m(80~1000MHz) IEC(EN)61000-4-4(EFT): PowerPort:±4kV; Data Port: ±2kV IEC(EN)61000-4-5(Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6(CS): 10V(150kHz~80MHz) IEC(EN)61000-4-16(CM EMI) : 30V cont. 300V,1s
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Freefall	IEC 60068-2-32
Certification	FCC, CE, ROHS, ISO9001:2015
MTBF	
Time	More than 300,000 hours

MODEL ORDERING INFORMATION

Model Name	Ethernet Ports	POE
SW500-E	5×10/100BaseT(X) (RJ45 connector)	×
SW500-GE	5×10/100/1000BaseT(X) (RJ45 connector)	×
SW500-EP	5×10/100BaseT(X) (RJ45 connector)	√
SW500-GEP	5×10/100/1000BaseT(X) (RJ45 connector)	√
SW800-E	8×10/100BaseT(X) (RJ45 connector)	×
SW800-GE	8×10/100/1000BaseT(X) (RJ45 connector)	×
SW800-EP	8×10/100BaseT(X) (RJ45 connector)	√
SW800-GEP	8×10/100/1000BaseT(X) (RJ45 connector)	√

DIMENSIONS

Unit: mm