SW4-HUP05

Ethernet Switch

User Manual

s'Dot

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1 Product Overview

1.1 Product Introduction

5-port 100M Ethernet switch with unmanaged industrial grade. The product complies with FCC, CE, and RoHS standards. The SW4-HUP05 switch has a -40℃. The operating temperature is up to 80℃, and it is extremely robust and can adapt to various harsh environments. It can also be easily installed in a compact control box. The guide rail installation feature, wide operating temperature, IP40 protection grade housing and LED indicator make SW4-HUP05 a plug-and-play industrial-grade device. It provides users with a reliable and convenient solution for networking their Ethernet devices.

1.2 Product Features

● Use high-quality optoelectronic integrated modules to provide good optical and electrical characteristics

● Ensure reliable data transmission and long working life

● Supports full-duplex or half-duplex mode with auto-negotiation capability

● The network port supports fully automatic cross-recognition

● Built-in store-and-forward mechanism, supporting multiple protocols

● Meet industrial-grade operation standards, with an average failure-free time of more than 300,000 hours

● Working power supply: DC12~52V with reverse polarity protection

2 Product Parameters

2.1 General Parameters

Interface parameters	
Product Name	100M 5-port industrial Ethernet switch
Product Model	SW4-HUP05
Product Description	5-port 100M unmanaged industrial Ethernet switch
Bus interface	5 × RJ45
RJ45 port	10/100BaseT(X) automatic detection, full/half duplex MDI/MDI-X adaptive
Technical Parameters	
Network Protocol	IEE802.3, IEE802.3u, IEE802.3x
Operating temperature	-40℃~+80℃（-40℉~176℉）
Storage temperature	-40℃~+85℃（-40℉~185℉）
relative humidity	5%~95%, non-condensing
Industry Standards	IEC(EN)61000-4-2(ESD): Contact discharge ±8kV, Air discharge ±15kV IEC(EN)61000-4-3(RS)：10V/m(80~1000MHz) IEC(EN)61000-4-4(EFT): Power supply: ±4kV; Ethernet port: ±2kV IEC(EN)61000-4-5(Surge): Power supply: ±2kV CM//±1kV DM Network port: ±2kV CM//±1kV DM; IEC (EN) 61000-4-6 (radio frequency conducted): 3V (10kHz~150kHz), 10V (150kHz~80MHz) IEC (EN) 61000-4-16 (common mode conducted): 30V to 300V, 1s Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Switcing Specifications	Transmission method	Store-and-forward

Switcing Specifications	Transmission method	Store-and-forward
	MAC address	2K
	Cache	768kbit
	Backplane bandwidth	1G
	Switching	<10μs

	delay	
	Power consumption	<3W

Power supply	Input voltage	DC12~52V
	Input terminals	Phoenix Terminal
	Dual power supply redundancy	Support
	Overcurrent protection	Support built-in overcurrent 4.0A protection
	Reverse polarity protection	Support
Mechanical properties	Housing	IP40 protection grade, metal housing
	Installation	DIN rail, wall mount
	Heat dissipation method	Natural cooling, no fan
	Weight	360g
	Size	117.7×88.7×34mm
Protection level		IP40
Certification		CE, FCC, RoHS, ISO9001
Mean time between failures		300,000 hours
Warranty		5 years

3 Panel

## 3.1 Panel Structure

Name of each part of the product
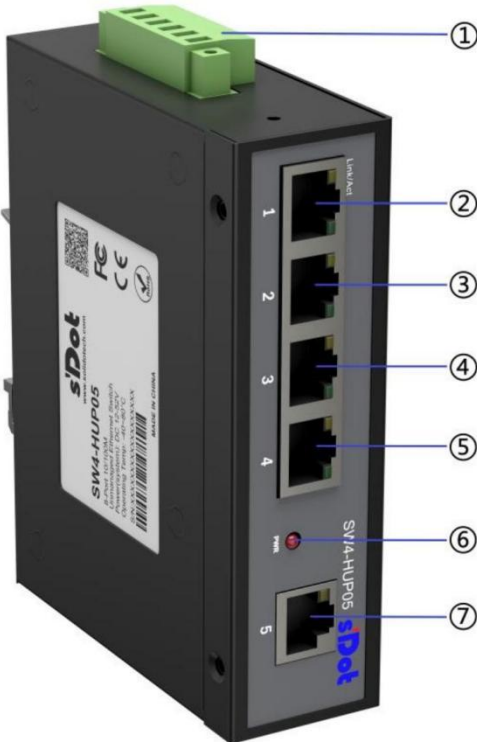
Number	Name	Description
①	Power interface	6P terminal
②	Bus interface 1	RJ45
③	Bus interface 2	RJ45
④	Bus interface 3	RJ45
⑤	Bus interface 4	RJ45

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⑥	Indicator lights and their markings	Indicates power status
⑦	Bus interface 5	RJ45

3.2 Definition of indicator lights

name	Logo	color	status	Status Description
Power indicator	PWR	red	Constantly on	The power supply is normal (any of the two power supplies can be connected to supply power)
			Extinguished	The power supply is abnormal or not powered on.
Electrical port Link/Act indicator	1~5	yellow	Constantly on	The network link is connected normally
			Flash	There is data transmission
			Extinguished	The network link is disconnected

3.3 Wiring Diagram
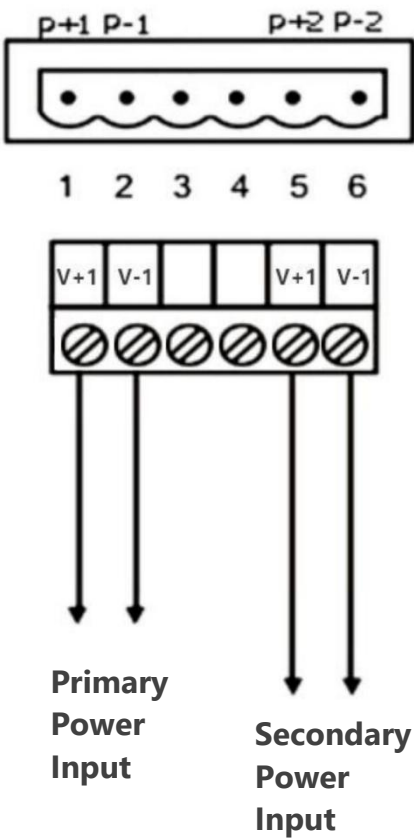
4Installation and removal

4.1 Dimensions

Specifications (Unit:mm)