HES5G Series

5G-port Din-rail Full Gigabit Unmanaged Ethernet Switches

Features

- 5 10/100/1000BaseTX ports
- Redundant dual 12~36VDC power inputs
- EMC performance reaches industrial level 3
- Broadcast storm protection
- -40°C to +75°C operating temperature range (W models)
- IP30 DIN Rail or Panel Mount

FCC	Wide Temp	CE	Fanless

Introduction

The HES5G series are equipped with 5 Gigabit Ethernet ports, making them ideal for applications that demand high bandwidth. The HES5G switches provide an economical solution for your industrial Gigabit Ethernet connection, and the built-in relay warning function alerts network managers when power failures or port breaks occur. The HES5G series includes 2 models: one with an operating temperature range from -10 to 60°C, and the other one with an extended operating temperature range from -40 to +75°C. Both models are subject to a 100% burn-in test to ensure that they fulfill the special needs of industrial automation control applications.

Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3x, 802.3az, 802.3ab
Processing Type	Store and Forward
Broadcast Storm	Automatic Broadcast Storm Control
Flow Control	Full Duplex Flow Control, Half Duplex Back Pressure Control
Protocols	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)
Switch Properties	
MAC Table Size	4K
Interface	
RJ45 Port	10/100/1000BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power, Port Status, 10/100/1000M
Power Requirements	
Input Voltage	12~36VDC @ 10W MAX 10~24VAC @ 10VA MAX
Input Connection	Standard four terminal power input
Physical Characteristics	
Case	Slim Metal Case, IP30 Design
Dimensions	29.6×109.5×91.8mm
Installation	DIN Rail or Panel Mounting

Environment Limits	
Operating Temp	Standard Models: -10°C to 60°C Wide Temp. Models: -40°C to 75°C
Storage Temp	-40°C to 85°C
Ambient Relative Humidity	5 to 95%(Non-condensing)
Standards and Certifications	
EMI	FCC Part15, CISPR(EN55022) Class A
EMS	EN61000-4-2(ESD) Level 3, EN61000-4-3(RS) Level 3, EN61000-4-4(EFT) Level 3, EN61000-4-5(Surge) Level 3, EN61000-4-6(CS) Level 3, EN61000-6-2
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty Period	3 years

Ordering Information

HES5G-VL	Din-rail Unmanaged, 5 x Gigabit Copper Port, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES5G-VLW	Din-rail Unmanaged, 5 x Gigabit Copper Port, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC