

# Product Information

## 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



Henrich Electronics Corporation

Main Office

Tel: 860-487-9869

Fax: 860-487-9478

[www.henrich-inc.com](http://www.henrich-inc.com)

## 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

<b>Technology</b>		<b>Environment Limits</b>	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3ab	Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Processing Type :	Store and forward	Storage Temp. :	-40 to 85°C
Broadcast Storm :	Automatic Broadcast Storm Control	Ambient Relative Humidity :	5 to 95%(Non-condensing)
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control	<b>Standards and Certifications</b>	
Protocols :	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)	EMI :	FCC Part15, CISPR(EN55022) Class A
<b>Switch Properties</b>		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
MAC Table Size :	4K	Shock :	IEC 60068-2-27
<b>Interface</b>		Freefall :	IEC 60068-2-32
RJ45 Port :	10/100/1000BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Vibration :	IEC 60068-2-6
LED Indicators :	Power, Port Status, 10/100/1000M	<b>Warranty</b>	
<b>Power Requirements</b>		Warranty Period :	3 years
Input Voltage :	12~36VDC @ 10W MAX 10~24VAC @ 10VA MAX		
Input Connection :	Standard four terminal power input		
<b>Physical Characteristics</b>			
Case :	Slim Metal Case, IP30 Design		
Dimensions :	29.6×109.5×91.8mm		
Installation :	DIN Rail or Panel Mounting		

## Ordering Information

### HES5G

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