

# Product Information

# HES18-2G Series

## 16+2G Gigabit Unmanaged Ethernet Swiches



Henrich Electronics Corporation  
Main Office  
Tel: 860-487-9869  
Fax: 860-487-9478  
www.henrich-inc.com

## Features

- ❖ Up to 16 10/100 BaseT(x) Ports, 2 100 Mbps Fiber Ports
- ❖ Up to 2 1000Mbps RJ45/SFP Combo Ports
- ❖ 12~36VDC or 10~24VAC Power Inputs
- ❖ -40 to +75°C Operating Temperature Range (W Models)
- ❖ IP30 Din Rail or Panel Mounting

## Introduction

The HES18-2G series Industrial Gigabit Unmanaged Ethernet Switches is equipped with 16 10/100 BaseT(x) ports, 2 Gigabit RJ45/SFP Combo interfaces and up to 2 100Mbps Fiber ports. SC, ST and FC can be selected as three kinds of fiber ports. HES18-2G series Industrial Ethernet switches provide 12-36VDC and 10-24VAC two ways of power input. This series of products can provide powerful information transmission in harsh industrial environment.

## Specifications

Technology		Optical Fiber			
Standard :	IEEE802.3, 802.3u, 802.3x	Mode	Multi-mode	Single Mode	Single Mode
Processing Type :	Store and forward	Transmission Distance	2km	20km	20km
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control	Centre Wavelength	1310nm	1310nm	1310nm
Switch Properties		Cable Size	62.5/125um	9/125um	9/125um
MAC Table Size :	8K	TX Power(dBm)	-20~-10dBm	-15~-8dBm	-8~-2dBm
Interface		RX Power(dBm)	< -32dBm	< -32dBm	< -24dBm
RJ45 Port :	10/100BaseT(X) or 10/100/1000BaseT(X) auto negotiation speed	Transmission Rate	100Mbps	100Mbps	1000Mbps
Fiber Ports :	100BaseFX ports (SC/ST connector)	Environment Limits			
Fiber Module :	1000Base-LX (2 SFP slots)	Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C		
LED Indicators :	Power, Port Status, 10/100/1000M	Storage Temp. :	-40 to 85°C		
Power Requirements		Ambient Relative Humidity : 5 to 95%(Non-condensing)			
Input Voltage :	12~36VDC @ 17W MAX 10~24VAC @ 17VA MAX	Standards and Certifications			
Input Connection :	Standard four terminal power input	EMI :	FCC Part15, CISPR(EN55022) Class A		
Physical Characteristics		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, EN61000-4-11 Level3, CISPR 22 Radiated Level3, CISPR 22 Conducted Level3, ANSIC 63.4 Level3,		
Case :	Slim Metal Case, IP30 Design	Warranty			
Dimensions :	69.2 × 151.9 × 150.5mm	Warranty Period :	5 Years		
Installation :	DIN Rail or Panel Mounting				

## Ordering Information

---

### HES18-2G Series

HES18-2G-VLW	Din-rail Unmanaged, 16 x 100Mbps Copper Port, 2 x Gigabit combo Interface, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES18-2G-2SC-VLW	Din-rail Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES18-2G-2SSC-VLW	Din-rail Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES18-2G-2ST-VLW	Din-rail Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with ST Connectors, 2 x Gigabit Combo Port, 2km, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES18-2G-2SST-VLW	Din-rail Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with ST Connectors, 2 x Gigabit Combo Port, 20km, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC