

Product Information

HES18-2G Series

16+2G Gigabit Unmanaged Ethernet Switches



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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

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|-------------------|---|
| 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 |