

Product Information

HES18MC-2G Series

16+2G-Port Rackmount Gigabit Managed Ethernet Switches



Features

- ❖ RingOn (recovery time < 15ms), RSTP for Network Redundancy
- ❖ Automatic E-mail Notification for system events
- ❖ IGMP multicast group and traffic management
- ❖ QoS (IEEE 802.1p/1Q) and TOS/DiffServ to increase determinism



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Introduction

The HES18MC-2G series industrial managed rackmount switches are designed to seamlessly integrate your control networks and field networks. The switches can operate in extreme operating temperatures ranging from -40 to +75°C, and are equipped with up to two AC power inputs for conventional usage as well as for advanced Ethernet switching functionality to ensure the reliability of your communication network. The HES18MC-2G switches are designed to meet the rigorous demands of mission critical applications, including traffic control systems, networks along railway tracks, maritime applications, mining and oil/gas industry applications.

Specifications

Technology			
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3ab, 802.1Q, 802.1p		
Processing Type :	Store and forward		
Broadcast Storm :	Automatic Broadcast Storm Control		
Management :	by Web Browser		
RingOn :	Recovery Time within 15ms		
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control		
Protocols :	IGMP Snooping, GMRP, SNMPv1/v2c/v3, DHCP Client, HTTP, HTTPS, Telnet, NTP Client		
Switch Properties			
MAC Table Size :	8K		
Priority Queues :	4		
Max. Number VLANs :	64		
VLAN ID Range :	VID 1 to 4094		
IGMP Groups :	256		
Interface			
RJ45 Port :	10/100BaseT(X) or 10/100/1000BaseT(X) auto negotiation speed		
Fiber Ports :	100BaseFX ports (SC/ST connector)		
Fiber Module :	1000Base-LX (2 SFP slots)		
LED Indicators :	Power, Port Status, 10/100/1000M		
Console port :	DB9 male		
Output Warning :	Relay, Standard 2 Pin		
Power Requirements			
Input Voltage :	120~370VDC @ 25W MAX 85~265VAC @ 25VA MAX		
Input Connection :	Barrier type terminal blocks		
Physical Characteristics			
Case :	Slim Metal Case, IP30 Design		
Dimensions :	443×44×260mm		
Installation :	DIN Rail or Panel Mounting		
Optical Fiber			
Mode	Multi-mode	Single Mode	Single Mode
Transmission Distance	2km	20km	20km
Centre Wavelength	1310nm	1310nm	1310nm
Cable Size	62.5/125um	9/125um	9/125um
TX Power(dBm)	-20~-10dBm	-15~-8dBm	-8~-2dBm
RX Power(dBm)	< -32dBm	< -32dBm	< -24dBm
Transmission Rate	100Mbps	100Mbps	1000Mbps
Environment Limits			
Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C		
Storage Temp. :	-40 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

HES18MC-2G Series

HES18MC-2G-VH	Rackmount Managed, 16 x 100Mbps Copper Port, 2 x Gigabit combo Interface, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES18MC-2G-VHW	Rackmount Managed, 16 x 100Mbps Copper Port, 2 x Gigabit combo Interface, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES18MC-2G-2SC-VH	Rackmount Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES18MC-2G-2SC-VHW	Rackmount Managed, 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 120~370VDC or 85~264VAC
HES18MC-2G-2SSC-VH	Rackmount Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES18MC-2G-2SSC-VHW	Rackmount Managed, 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 120~370VDC or 85~264VAC
HES18MC-2G-4SC-VH	Rackmount Managed, 12 x 100Mbps Copper Port, 4 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES18MC-2G-4SC-VHW	Rackmount Managed, 12 x 100Mbps Copper Port, 4 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 120~370VDC or 85~264VAC
HES18MC-2G-4SSC-VH	Rackmount Managed, 12 x 100Mbps Copper Port, 4 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES18MC-2G-4SSC-VHW	Rackmount Managed, 12 x 100Mbps Copper Port, 4 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 120~370VDC or 85~264VAC

Note: All of the Above Products SC Connector can be replaced by ST Connector