

Product Information

HES12GM Series

12G-Port Din-rail Full Gigabit Managed Ethernet Switches



Features

- Up to 8 10/100/1000 BaseT(X) ports
- Up to 12 1000BaseSFP slots
- RingOn and RSTP for network redundancy
- IEEE802.1Q VLAN and GVRP protocols to ease network planning
- Bandwidth management ensures stable network performance
- Automatic warning by exception through email and relay output

Introduction

The HES12GM series is equipped with 12 Gigabit Ports, making it ideal for upgrading an existing network to Gigabit speed or building a new full Gigabit backbone. Gigabit transmission increases bandwidth for higher performance and transfers large amounts of triple-play services across a network quickly. Redundant Ethernet RingOpen, RingOn, RSTP/STP, and MSTP increase system reliability and the availability of your network backbone. The HES12GM series is designed especially for communication demanding applications, such as video and process monitoring, ITS, and DCS systems, all of which can benefit from a scalable backbone construction.

Specifications

Technology		Power Requirements	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3z	Input Voltage :	12~36VDC @ 24W MAX 10~24VAC @ 24VA MAX
Flow Control :	IEEE802.3x flow control, back pressure flow control	Input Connection :	Grid panel terminal blocks Standard 4 pin input connection (optional)
Protocols :	IGMP Snooping, GMRP, SNMPv1/v2c/v3, DHCP Client, HTTP, HTTPS, Telnet, NTP Client	Physical Characteristics	
	L2 Functions	Case :	Slim Metal Case, IP30 Design
	<ul style="list-style-type: none"> • IEEE 802.1Q Static VLAN and VLAN Label • Link Layer Management Protocol (LLDP) • IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) • IGMP SNOOPING • RingOn™ Redundant Technology, recovery time <15ms • RingOpen Redundancy 	Dimensions :	64.2×183.1×155.1mm
		Installation :	DIN Rail or Panel Mounting
		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	
Software functions :	Management Tools	EMI :	FCC Part15, CISPR(EN55022) Class A
	<ul style="list-style-type: none"> • Web Interface (HTTP and HTTPS) • Console port and Command Line Interface(CLI) controlled by SSHv2 • SNMPv1/v2c/v3 • Flexible configuration and log file management • Managing local file through HTTP, FTP and TFTP • Syslog(System log file and remote syslog server) • SNTP(NTP Client) • Software Online Upgrading 	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
Switch Properties			
MAC Table Size :	16K		
Priority Queues :	8		
Max. Number VLANs :	64		
VLAN ID Range :	VID 1 to 4094		
IGMP Groups :	256		
Interface			
RJ45 Port :	10/100/1000BaseT(X) auto negotiation		
Fiber Port :	1000M Gigabit SFP slots.		
LED Indicators :	Power, Port Status, 10/100/1000M		
Output Warning :	Relay, Standard 2 Pin @30V		
Console Port :	RS-232 (RJ45 connector)		

Ordering Information

HES12GM Series

HES12GM-4SFP-VL	Din-rail Managed, 8 x Gigabit Copper Port, 4 x Gigabit SFP Slots, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES12GM-4SFP-VLW	Din-rail Managed, 8 x Gigabit Copper Port, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES12GM-12SFP-VL	Din-rail Managed, 12 x Gigabit SFP Slots, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES12GM-12SFP-VLW	Din-rail Managed, 12 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC