

Product Information

HES6GM Series

6G-Port Din-rail Full Gigabit Managed Ethernet Switches



Features

- RingOn and RingOpen (recovery time < 15ms), RSTP for network redundancy
- SNMPv1/v2c/v3 for network management of different levels
- IGMP snooping and GMRP for filtering multicast traffic
- QoS (IEEE 802.1p/1Q) and TOS/DiffServ to increase determinism
- -40 to +75°C operating temperature range (W models)
- IP40 DIN Rail or Panel Mount

Introduction

The HES6GM series is equipped with 4 Gigabit Ports and 2 SFP fiber slots, 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, and MSTP increase system reliability and the availability of your network backbone. The HES6GM 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	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3z
Flow Control :	IEEE802.3x flow control, back pressure flow control
Protocols :	IGMP Snooping, GMRP, SNMPv1/v2c/v3, DHCP Client, HTTP, HTTPS, Telnet, NTP Client
Software functions :	<p>L2 Functions</p> <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 <p>Management Tools</p> <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
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 speed, Full/Half duplex mode, and auto MDI/MDI-X connection
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)
Power Requirements	
Input Voltage :	12~36VDC @ 24W MAX 10~24VAC @ 24W MAX
Input Connection :	Grid panel terminal blocks Standard 4 pin input connection (optional)
Physical Characteristics	
Case :	Slim Metal Case, IP40 Design
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	
EMI :	FCC Part15, CISPR(EN55022) Class A 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
EMS :	
Shock :	IEC 60068-2-27
Freefall :	IEC 60068-2-32
Vibration :	IEC 60068-2-6
Warranty	
Warranty Period :	3 years

Ordering Information

HES6GM Series

HES6GM-2SFP-VL	Din-rail Managed, 6 Gigabit Ports, 2 Gigabit SFP Slots, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES6GM-2SFP-VLW	Din-rail Managed, 6 Gigabit Ports, 2 Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC