

Product Information

HES10GM Series

10G-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)
- ❖ IP30 DIN Rail or Panel Mount

Introduction

The HES10GM series is equipped with 8 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, and MSTP increase system reliability and the availability of your network backbone. The HES10GM 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	
Software functions :	L2 Functions <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	Case :	Slim Metal Case, IP30 Design
	Management Tools <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	Dimensions :	64.2×183.1×155.1mm
Switch Properties		Installation :	DIN Rail or Panel Mounting
MAC Table Size :	16K	Environment Limits	
Priority Queues :	8	Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Max. Number VLANs :	64	Storage Temp. :	-40 to 85°C
VLAN ID Range :	VID 1 to 4094	Ambient Relative Humidity :	5 to 95%(Non-condensing)
IGMP Groups :	256	Standards and Certifications	
Interface		EMI :	FCC Part15, CISPR(EN55022) Class A
Fiber Port :	1000M Gigabit SFP slots.	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
LED Indicators :	Power, Port Status, 10/100/1000M	Shock :	IEC 60068-2-27
Output Warning :	Relay, Standard 2 Pin @30V	Freefall :	IEC 60068-2-32
Console Port :	RS-232 (RJ45 connector)	Vibration :	IEC 60068-2-6
Warranty		Warranty Period :	3 years

Ordering Information

HES10GM Series

HES10GM-2SFP-VL	Din-rail Managed, 8 Gigabit Ports, 2 x Gigabit SFP Slots, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES10GM-2SFP-VLW	Din-rail Managed, 8 Gigabit Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC