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
- -40 to +75°C operating temperature range (W models)
- QoS (IEEE 802.1p/1Q) and TOS/DiffServ to increase determinism
- 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	
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
Switch Properties	
MAC Table Size	16K
Priority Queues	8
Max. Number VLANs	64
VLAN ID Rang	VID 1 to 4094
IGMP Groups	256
Interface	
Fiber Ports	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)

Software function	
L2 Functions	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
Management Tools	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
Power Requirements	
Input Voltage	12~36VDC @ 24W MAX 10~24VAC @ 24VA MAX
Input Connection	Grid panel terminal blocks Standard 4 pin input connection (optional)
Physical Characteristics	
Case	Slim Metal Case, IP30 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
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

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