Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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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

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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	
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 :	**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

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)

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

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