

Product Information

HES28GM-24E Series

Up to 24 PoE/PoE+ 1000Mbps Copper Ports,
4 1000Mbps SFP Industrial Managed Ethernet
PoE/PoE+ Switch with IP40 or IP67 Protection



Features

- ❖ All 24 1000Mbps copper ports support 802.3at with up to 30W power for each port
- ❖ Support Henrich's RingOn™ and RingOpen™ redundancy recovery technology
- ❖ Support STP and RSTP Recovery Protocols
- ❖ Internal Web Server to Support Remote Management and Configuration through Browser
- ❖ Fanless Design with High Reliability with IP67 or IP40 Protection

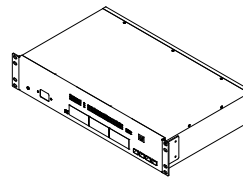
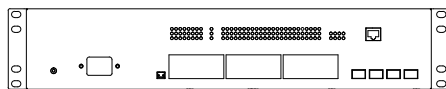
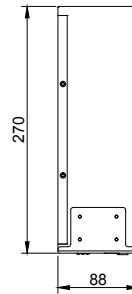
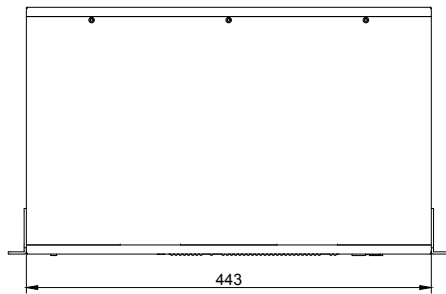
Introduction

HES28GM-24E series is a line of highly integrated industrial, layer 2 managed switches supporting up to 24 1000Mbps PoE/PoE+ ports and 4 SFP fiber ports. With each port providing 30 watt of power, this line of switches can simultaneously support up to 24 PD devices needing 30 watt of power individually. Rack-mounted with 110-220 voltage power input, together with full layer 2 management features including Henrich unique 15ms network redundancy recovery, your PD devices are powered and managed in a highly powerful and reliably networking systems.

Specifications

Technology		Power Requirements	
IEEE Standards:	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.1p, IEEE802.3ab, IEEE802.1Q, IEEE802.1d, IEEE802.1s, IEEE802.3af, IEEE802.3at	High Voltage Range:	110-240V
Processing Type :	Store and forward	Port:	Barrier type terminal blocks
MAC Address:	16K	Physical Characteristics	
Management :	CLI + Web Manage	Case:	Slim Metal Case, IP40 or IP67 Design
RingOn™ /RingOpen™ :	Recovery Time within 15ms	Dimension(W×H×D):	443×88×270mm
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control	Installation :	19" Rack mounting
Protocols :	IGMP Snooping, GMRP, SNMPv1/v2c/v3, DHCP Client, HTTP, HTTPS, NTP Client	Environment Limits	
Interface		Operating Temp. :	-40°C~+75°C(Wide Temp.)
RJ45 Ports :	10/100BaseT(X) or 10/100/1000BaseT(X)	Storage Temp. :	-40°C~85°C
Fiber Ports :	1000BaseSFP	Ambient Relative Humidity :	5~95°C
LED Indicators :	Power, Port Status, 10/100M/1000M, POE	Standards and Certifications	
Output Warning :	Relay, Standard 2 Pin	EMI:	FCC Part 15, CISPR(EN55022) class A
Optical Fiber		EMS:	EN61000-4-2(ESD), Level 3
100BaseFX			EN61000-4-3(RS), Level 3
Distance:			EN61000-4-4(EFT), Level 3
Single Mode:	20km, 1310nm(9/125µm)		EN61000-4-5(Surge), Level 3
Output TX(Min)			EN61000-4-6(CS), Level 3
Single Mode:	-15dBm		EN 61000-4-11, Level 3
Output TX(Max)		CISPR 22 Radiated, Level 3	
Single Mode:	-8dBm	CISPR 22 Conducted, Level 3	
RX Sensitivity:	< -32dBm(Single Mode)	ANSIC63.4, Level 3	
1000BaseSX/LX/LHX/ZX		Warranty	
Distance:		Warranty Period :	3 years
Single Mode:	20km, 1310nm(9/125µm)		
Output TX(Min)			
Single Mode:	-8dBm		
Output TX(Max)			
Single Mode:	-2dBm		
RX Sensitivity:	<-24dBm		

Dimension Drawing



Units: mm

Ordering Information

IP40

HES10GM-8E-2SFP-VHW	Rackmount PoE Managed, 8 x 1000Mbps PoE Copper Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP40 Design
HES18GM-16E-2SFP-VHW	Rackmount PoE Managed, 16 x 1000Mbps PoE Copper Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP40 Design
HES26GM-24E-2SFP-VHW	Rackmount PoE Managed, 24 x 1000Mbps PoE Copper Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP40 Design
HES12GM-8E-4SFP-VHW	Rackmount PoE Managed, 8 x 1000Mbps PoE Copper Ports, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP40 Design
HES20GM-16E-4SFP-VHW	Rackmount PoE Managed, 16 x 1000Mbps PoE Copper Ports, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP40 Design
HES28GM-24E-4SFP-VHW	Rackmount PoE Managed, 24 x 1000Mbps PoE Copper Ports, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP40 Design

IP67

HES10GMK-8E-2SFP-VHW	Rackmount PoE Managed, 8 x 1000Mbps PoE Copper Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP67 Design
HES18GMK-16E-2SFP-VHW	Rackmount PoE Managed, 16 x 1000Mbps PoE Copper Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP67 Design
HES26GMK-24E-2SFP-VHW	Rackmount PoE Managed, 24 x 1000Mbps PoE Copper Ports, 2 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP67 Design
HES12GMK-8E-4SFP-VHW	Rackmount PoE Managed, 8 x 1000Mbps PoE Copper Ports, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP67 Design
HES20GMK-16E-4SFP-VHW	Rackmount PoE Managed, 16 x 1000Mbps PoE Copper Ports, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP67 Design
HES28GMK-24E-4SFP-VHW	Rackmount PoE Managed, 24 x 1000Mbps PoE Copper Ports, 4 x Gigabit SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 85~265 VAC or 120~370 VDC, IP67 Design