HR600-AFGM-84S

Product Description

The HR600-AFGM-84S device is an industrial PoE Switch, it support 8* Gigabit POE Port +4 *Gigabit SFP Uplink port + 1* console. These converters are classified as power source equipment (PSE), and when used in this way provide up to 15.4 watts IEEE802.3af & 30 watts to IEEE802.3at compliant powered devices (PD), eliminating the need for additional wiring.

It support CE, FCC ROHS standard, adopt industry standard design, IP30 protection, rugged high-strength metal case, power supply input (DC48-55V), -40 to 85°C working temperature. The converters support IEEE802.3/IEEE802.3i/IEEE802.3uIEEE802.3ab/IEEE802.3z with 10/100/1000M, full/half-duplex, and MDI/MDI-X auto-sensing, providing a complete solution for your industrial Ethernet network.

Target industries

1.HD monitor transmission and power supply

2.Network telephone transmission , intelligent house and home system

3.Intelligent transportation supervisory system (ITS)

4. High-speed Way supervisory/Telecommunication System

5. Security protection system, TV medical treatment

6. Long-distance Muti-media Schooling, Campus monitoring

7. Long-distance broadcast television transmission system

8. High-building Security Protection, Military Telecom project

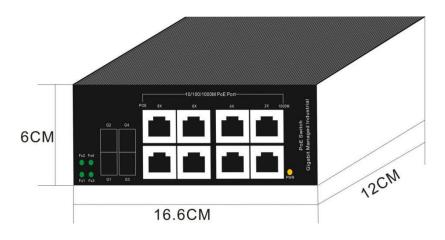➢ Supports 8 10 / 100 / 1000base TX PoE ports and 4 Gigabit SFP slots ,1* console

➢ Support: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / AB, IEEE802.1Q, IEEE802.1p

➢ IEEE802.1d/w IEEE802.3af/at, store-and-forward

➢ Support L2 layer security management, QOS priority.

➢ L2 layer management functions include 802.1Q VLAN, mirroring, port isolation, IGMP Snooping, DHCP snooping, LLDP, PoE+ management, IP source protection, ARP check, ACL .

➢ Support for spanning tree STP and RSTP (802.1D) (802.1w), 802.1s (MSTP)

➢ Support for jumbo frames of 9.6K bytes.

➢ Support WEB, Telnet, CLI management

➢ IEEE802.3af (15.4w) and IEEE802.3at (30W)

➢ Ethernet port supports 10 / 100 / 1000M adaptive and POE functions

➢ IP40 protection grade, high strength cast iron housing, DIN35 rail mounting

➢ Industrial grade 4 design, - 40 to 85 ° C operating temperature

Order Information

➢ **Accessories in the Package**

Package List	POE Switch	1 SET
	User Manual	1 PCS
	Warranty Card	1 PCS

➢ **Note: Power adapter is not included in this package, Please order it separately.**

➢ **Pic Reference**

Product Dimension(16.6*12cm*6cm, Net weight:0.8kg)

Package Dimension(25cm*21cm*8cm,Gross weight:1.1kg)

Technical Parameters

Product Name	12 ports Gigabit Managed Industrial PoE Switch
Product Model	HR600-AFGM-84S
Interface	8x 10/100/1000M copper RJ-45 ports,4x 1000M SFP port ,1* console
Network Protocols	Support IEEE802.3,IEEE802.3u,IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.1d, IEEE802.1w
L2 (Layer 2 Switching)	
Port management	Enable / disable port Speed, duplex, MTU settings, etc. Flow-control flow control setup Port information view, etc. Support port access direction, VLAN image To support the port speed limit, Support port isolation settings Unknown unicast, multicast, broadcast storm suppression
Spanning Tree Protocol	Standard Spanning Tree (STP) 802.1d Rapid Spanning Tree (RSTP) 802.1w Multiple Spanning Tree (MSTP) 802.1s
Link Aggregation	Support static manual aggregation
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) ; Support Port based VLAN and IEEE 802.1Q VLAN
IGMP snooping	Support static add / delete,
GMRP	supports GARP multicast registration protocol
MAC	Support static add / delete MAC address learning limit Support dynamic aging time settings
Extended function	
ACL	based on the source MAC, destination MAC, protocol type, source IP, destination IP, L4 port number Support time-range time management
QOS	based on 802.1p (COS) classification Based on DSCP classification Based on the source IP, destination IP, port number classification Support SP, WRR, DRR scheduling strategy Support traffic speed limit CAR
LLDP	supports LLDP link discovery protocol
Prevent attack	DOS defense Support for CPU protection, limited to send CPU message rate ARP binding (IP, MAC, PORT binding)

system management	User add / delete user
	User login, operation, status, event log
	Device reset, configuration save / restore, upgrade management, time setting, etc.

management function	
CLI	support serial command line management
TELNET	support serial command line management
WEB	supports two layers, three layers of view, etc.

Other parameters	
PoE Specification	PoE Standard: Supports both IEEE802.3af and IEEE802.3at
	Single PoE Port Power Output: Max. 15.4 watts (IEEE 802.3af) Max. 30 watts (IEEE 802.3at)
	PoE port Auto detect AF/AT devices
	PoE Port Output Voltage: DC48V
	Power Pin Assignment:1/2+;3/6-
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter)
	100BASE-TX: Cat5 or later UTP(≤100 meter)
	1000BASE-TX: Cat6 or later UTP(≤100 meter)
Fiber Media	Multi-mode: 1310nm, 2Km
	Single-mode: 1310nm, 20; 1550nm, 40/60/80Km
Performance Specification	Bandwidth: 24Gbps Packet Buffer Memory:2M Packet Forwarding Rate:1488000pps/port Address Table: 8K MTBF:100,000 Hours
Forwarding Mode	Store-And-Forward
LED Display	Fiber Run indicator: FX1,FX2,FX3,FX4 Power supply indicator: PWR PoE ACT indicator: LED-Yellow 1000M LINK indicator: LED-Green
Power Supply	Input Voltage: DC48V (48～55V) Type of input: 6 bits terminal block No-load consumption: MAX 10W@ DC52V0.2A Full-load consumption: MAX 104W@ DC52V2A (802.3af) Full-load consumption: MAX 130W@ DC52V2.5A (802.3af+) Full-load consumption: MAX 240W@ DC52V4.6A (802.3at)
Working Environment	Working temperature: -40～85℃ Storage temperature: -40～85℃ Relative Humidity: 5%~95 %(no condensation)
Industry Standard	EMI: FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2 (ESD)

	EN61000-4-4 (EFT) EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Mechanical Structure	Shell: IP40 protect grade, metal shell Installation: DIN-Rail or Wall mounts
Certification	CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55022 (CISPR 22), Class B
Warranty	5 years