

10 Port Gigabit Industrial Managed PoE Switch



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CE FC RoHS

HR500-AFGW-82S, HRUI's latest research and development of high performance and cost-effective industrial managed PoE switch, support 8* Gigabit PoE Ports, 2* Gigabit SFP Ports, and IEEE 802.3af/at standard, iron housing, IP40 Defense, 6KV Surge Protection, 15KV ESD, with super anti-interference protection capacity, support DIN35 rail/wall mounting installation. Support redundant power input (DC48-55V), operating temperature range -40 ° C to +75 ° C, pass the industrial environment certification, and complies with FCC, CE, and CCC standards, reliable industrial design can ensure your system uninterrupted and stable operation. This series of industrial PoE switches can be widely used in wind power, electric power, assembly automation, metro PIS, power SCADA, sewage treatment, metallurgy, intelligent transportation, rail transportation, military and other industries, they are green and low power industrial switches.

Main Feature

- Support 8* Gigabit PoE Port+ 2* Gigabit SFP Port
- Support IEEE802.3af/at standard, Single Port PoE Power Max 30W,
- DC48V~55V Input, Overvoltage, overload and anti-reverse connection,
- 4PIN Industrial terminals, dual redundant power supply,
- Iron housing, IP40 Defense,
- EMC Industrial grade high strength protection design,
- **Surge Protection: Common mode 6KV, differential mode 2KV (Class B)**
- **Electrostatic ESD: Air 8KV, Contact 6KV (Class B)**
- Operating temperature range -40 ° C to +75 ° C
- DIN35 rail/wall mounting installation

Application Environment

Metro Optical Broadband Network:

Data network operators such as telecommunications, cable TV, and network system integration, etc.

Broadband Private Network:

Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries

Multimedia Transmission:

Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications

Real-time Monitoring:

Simultaneous transmission of real-time control signals, images and data

Resistance to Harsh Environment:

Suitable for networking in harsh environment with strong electromagnetic interference and long distance

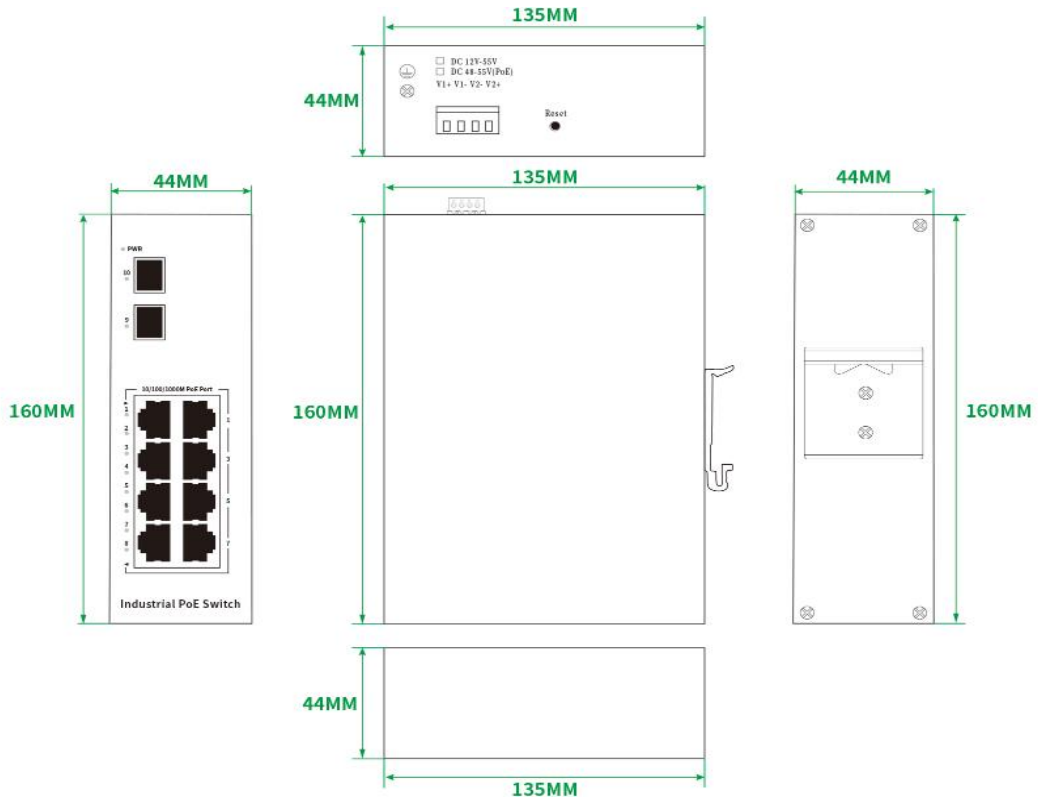
Specification	
I/O Interface	
Power	DC 52V (48 ~ 55V)
Ethernet	8* Gigabit PoE Port 2* Gigabit SFP Port
Chipset	
Main Chipset	RTL8370MBI
PoE Chipset	RTL8238B
Performance	
Bandwidth	20Gbps
Pack Forwarding Rate	14.88Mpps
Pack Cache	2M
MAC Address	4K
Jumbo Frame	4096bytes
Transfer Mode	Storage & Forwarding
MTBF	100000 Hours
Standard	
Network Protocol	IEEE802.3 IEEE802.3i IEEE802.3u IEEE802.3ab IEEE802.3z
PoE Standard	PoE Standard: Support IEEE802.3af /IEEE802.3at Single Port Max: 15.4 W (IEEE 802.3af) Single Port Max: 30 W (IEEE 802.3at)
Industry Standard	EMI: FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2 (ESD) EN61000-4-4 (EFT) EN61000-4-5 (Surge)
Network Medium	10BASE-T: Cat3, 4, 5 UTP(≤100 m) 100BASE-TX: Cat5 or above UTP(≤100 m) 1000BASE-TX: Cat5pr above UTP(≤100 m)
Fiber Medium	Multi-mode Fiber: 850nm, 1310nm Transmission Distance: 550m/2Km Single-mode Fiber: 1310nm, 1550nm Transmission Distance: 20/40/60/80/100/120Km

Certification	
Safety Certificate	CE, FCC, RoHS
Environment Standard	
Working Environment	Working Temperature: -40 ~ 75°C Storage Temperature: -40 ~ 85°C Humidity: 5%~95 %, non-condensing
Physical Structure	
Structure Size	Product Dimensions: 160*135*44mm Package Dimensions: 242*207*86mm Product N.W: 0.73 KG Product G.W: 0.90 KG
Packing Info	Carton Dimensions: 445*445*510mm Packing Quantity: 20 Pieces Packing weight: 19 KG
Power Voltage	Voltage Input: DC52V (48 ~ 55V) Power supply wiring: 4PIN Industrial Terminal (V1+V1-V2+V2-)
Package List	1. Industrial Switch: 1PCS 2. User Manual: 1PCS 3. Certificate: 1PCS 4. Mounting Ear: 1 PCS
Function Indicator	
LED Indicator	PWR Indicator On: Powered on Off: Powered off 1-10 Port Green LED Light On: Link Connecting Flashing: Data Transmitting Off: Link Off
Order Info	
HR500-AFGW-82S	10 Port Gigabit Industrial Managed PoE Switch

L2 Function	
Port	Port Switch
	Port Description
	Port Speed
	Port Duplex
	Port Flow Control
	Jumbo, Up to 9216bytes
	EEE
	Green Ethernet
Link Aggregation	Static Group
	Up to 2 groups
	Max. 4 members per group
Storm Control	Boardcast
	Unknown Multicast
	Unknown Unicast
Port Mirroring	
Port Security	MAC Address Constraints
Port Isolation	
Port Rate-limit	
Loopback Detection	
VLAN	Access/Trunk/Hybrid
	Congurable VID from 1 - 4094; Max. 31 static VLAN groups
MAC Address	Dynamic Address
	Static Address
	Address Lookup
Spnning Tree Protocol	STP/RSTP/MSTP
	Edge Port
Multicast	IGMP Snnoping
	IGMP V1/V2
	Router Port
	Static IGMP Join
QoS	Traffic classification based, Strict priority and WRR
	Port Priority
	802.1P Priority
	IP DSCP Priority
	Supports up to 4 queues per port
PoE	
PoE Configuration	PoE used power
	PoE Type/Level/Power/Voltage/Current
	PoE Switch
	PoE power AF/AT adaptation

Services	
Access Protocol	HTTP
Diagnostics	
Port Statistics	
Copper Test	
Managemnet	
Manager Access	HTTP
	SNMP
Manager IP	Static Address
	DHCP Client
SNMP	V2C
	Community
	Trap Host
SNMP MIB	RFC 1213 MIB-II
User	
Firmware	Firmware Upgarde
Configuration	Upload and download
Save	
Restart	
Factory Defaults	
Standards Compliance	
IEEE 802.3x flow control and back pressure	
IEEE 802.1D Spanning Tree Protocol	
IEEE 802.1w Rapid Spanning Tree Protocol	
IEEE 802.1p Class of Service	
IEEE 802.1Q VLAN tagging	
IEEE 802.3af Power over Ethernet	
IEEE 802.3at Power over Ethernet Plus	
RFC 768 UDP	
RFC 791 IP	
RFC 792 ICMP	
RFC 2068 HTTP	
RFC 1112 IGMP v1	
RFC 2236 IGMP v2	

Product Structure



Product Application

