4+2 FULL GIGABIT NETWORKING SWITCH

Short Description

HR903-AFG-41Y is a compact 5-port Gigabit PoE switch featuring four Gigabit PoE ports and one Gigabit uplink port. It supports IEEE 802.3af/at standards with a total PoE power budget of up to 55W, making it ideal for IP cameras, wireless access points, and other PoE-enabled devices.



Key Features:

- Port Configuration: 4×1G PoE ports + 1×1G uplink RJ45 port.
- Switching Bandwidth: 10Gbps.
- PoE Standard: IEEE 802.3af/at (≤30W per port).
- Operating Modes: VLAN, Default, Extend (extends transmission to 250m at 10Mbps on ports 3–4).
- Protection: Surge 4KV, ESD 8KV.
- Flow Control: IEEE 802.3x (full duplex), Back Pressure (half duplex).
- Switching Mechanism: Store-and-forward.
- Operating Temperature: 0°C to 40°C.
- Design: nagless, desktop installation.

Product Information

Model Number	HR903-AFG-41Y
Brand	HRUI
Category	Full Gigabit PoE Switch
Availability	Available
Price Type	Contact for price

Description

The HR903-AFG-41Y is a high-performance unmanaged Gigabit PoE switch designed for small and medium surveillance and networking applications. Equipped with four Gigabit PoE ports and one Gigabit uplink RJ45 port, it provides reliable data transmission and power delivery over a single Ethernet cable.

Supporting IEEE 802.3af/at standards, each PoE port can deliver up to 30W of power with a maximum total power budget of 55W. The switch offers three operating modes: Default Mode for standard networking, VLAN Mode for improved network security by isolating PoE ports, and Extend Mode, which enables transmission distances up to 250 meters at 10 Mbps.

Its fanless desktop design ensures silent operation, while built-in surge protection and ESD protection enhance network stability and device safety. The HR903-AFG-41Y is an excellent solution for CCTV systems, offices, retail stores, and home networks.

Technical Specifications

Switch General	
Interface	4 *1Gbps PoE ports 1 *1Gbps uplink RJ45 port
Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3x (Flow Control)
Packet Forwarding Rate	7.44Mbps
Packet Buffer	3Mbit
MAC Address Table	2K
Transmission Method	Store and Forward
PoE Standard	IEEE802.3af (15.4W) IEEE802.3at (30W)
PoE Port Output Voltage	DC 44-57V
PoE Ports	Ports 1-4 PoE power output <30W
PoE Power Budget	50W
Main Power Consumption	2.1W
Operating Temperature	0~40°C
Bandwidth	
Bandwidth	10Gbps
Surge Protection	
Port Surge	Common mode 4KV,Differential mode 2KV(Class C)
Electrostatic ESD	Air 8KV, Contact 6KV(Class C)
Power Indicator	
Green LED On	Power On

Green LED Off	Powered Off
Ports 1-5 Green LED On	Link Normal
Ports 1-5 Green LED Off	Link Blocked
Ports 1-5 Green LED Flashing	Data Transmitting
VLAN/Default/Extend Modes Buttons	
VLAN	VLAN mode, ports 1-4 are isolated from each other, communicating with ports 5 ,and automatically activate the PoE watchdog mode
Default	Normal mode, all ports can communicate with each other, transmission distance is within 100 meters, transmission rate is 10/100/1000Mbps adaptive(PoE Watching off)
Extend	Extend mode, when the PoE is in Extend mode, ports 3-4 force 10 Mbps the transmission distance to 250 meters, and automatically activate the PoE watching mode