10-Port Gigabit Managed PoE Switch



Product Highlights

- 8*1Gbps PoE ports+2*1Gbps SFP ports+1*Console port
- Support IEEE802.3, IEEE802.3x, IEEE802.3u, IEEE802.3ab, and IEEE802.3z network protocols
- Comply with IEEE802.3at (30W) and IEEE802.3af (15.4W) power supply standards
- Ethernet Ports support 10/100/1000Mbps self-adaptive
- Support PoE management and PoE watchdog
- The panel indicator LEDs will monitor the working status and assist in fault analysis
- Support 802.1x port authentication, AAA authentication, TACACS+authentication
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management

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Hardware Features

Description	Specification
Model	HR200-AFGM-82NS
Interface	8*1Gbps PoE ports 2*1Gbps SFP ports 1*Console port
Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3z (Gigabit Ethernet Fiber Standard) IEEE802.3x (Flow Control) IEEE 802.3az (Efficient and Energy saving Ethernet) IEEE 802.3ad (Link Aggregation) IEEE 802.1AB LLDP/LLDP MED (Link Layer Discovery Protocol) IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1s Multiple Spanning Tree Protocol (Fast Spanning Tree) IEEE 802.1Q (Virtual Local Area Network) IEEE 802.1p (VLAN Tag) IEEE 802.1X (User Authentication)
Switching Bandwidth	20Gbps
Packet Forwarding Rate	14.88Mpps
Packet Buffer	4.1Mbit
MAC Address Table	8K
Jumbo Frame	Support
VLAN	VLAN range 1-4094, maximum active VLAN is 256
Transmission Method	Store and Forward
PoE Standard	IEEE802.3af (15.4W) IEEE802.3at (30W)
PoE Port Output Voltage	DC 44-57V
PoE Ports	Ports 1-8 PoE power output <30W
PoE Power Budget	140W
Power Supply	AC 100-240V 50/60Hz DC 52V 2.88A
Mainboard Power Consumption	5.94W

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Hardware Features

Description	Specification
Structure Information	Product Dimensions: 320*207*45mm Packaging Dimensions: 366*312*71mm Product Net Weight: 1.65KG Product Gross Weight: 2.24KG
Packing Information	Carton Dimensions: 382*332*378mm Packing Quantity: 5PCS Packing Weight: 12.2KG
Package Contents	Switch 1pcs, Power Cord 1pcs, Manual 1pcs, Certificate of Inspection 1pcs
Fan Quantity	0
Certification	CE, FCC, RoHS
Installation	Desktop
Surge Protection	Port Surge: Common mode 6KV, Differential mode 2KV Electrostatic ESD: Air 8KV, Contact 6KV (Class C)
Operating Temperature	0~40°C
Storage Temperature	-40~70°C
Operation Humidity	10%~90%, non condensing
Storage Humidity	5%~95%, non condensing
PWR	On: Powered on Off: Powered off
Ports 1-10 Green LED	On: 10/100/1000Mbps Link normal Off: Link blocked Flashing: Data transmitting
SYS Green LED	Flashing: System startup in progress On: The system is running normally
PoE Green LED	On: PoE powered on Off: PoE powered off
Reset	Long press for 6 seconds to restore factory settings

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Software Features

Description	Specification
L2+ Function	
IPv4	IPv4 VLAN Interface IPv4 Static Routes ARP
IPv6	IPv6 VLAN Interface IPv6 Static Routes IPv6 ND
L2 Function	
Port	Port Switch configuration Port Description configuration Port Speed configuration Port Duplex configuration Port Flow Control configuration Jumbo Frame EEE Fiber Module(DDM)
Link Aggregation	Support load balance policy; Base on MAC and IP-MAC
Storm Control	Boardcast suppression Unknown Multicast Unknown Unicast
Port Mirroring	One to one monitor Many to one monitor Ingress/Egress/Both Up to 4 session groups
Port Security	MAC Address Constraints Port Security MAC Address Protect/Restrict/Shutdown
Port Isolation	Support
Port Rate-limit	Support
Loopback Detection	Support

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Software Features

Description	Specification
VLAN	Access/Trunk/Hybrid VLAN Tunnel （Q-in-Q Tunnel） VLAN range 1-4094, maximum active VLAN is 256 Voice VLAN MAC VLAN Surveillance VLAN Protocol VLAN GVRP
MAC Address	Dynamic MAC address Static MAC address Filtering MAC Address
Spanning Tree Protocol	STP/RSTP/MSTP BPDU Filter BPDU Guard Edge Port
LLDP	LLDP LLDP MED
Multicast	IGMP Snooping IGMP V1/V2/V3 Router Port Static IGMP group address IGMP groups filtering Querier MLD Snooping MVR
QoS	Traffic classification based, Strict priority and WRR Port Priority 802.1P Priority IP TOS Priority IP DSCP Priority

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Software Features

Description	Specification
ERPS	Only SFP port
PoE	
PoE Configuration	PoE Temperature PoE Type/Level/Power/Voltage/Current query PoE Switch Configuration PoE Watchdog Configuration PoE power AF/AT adaptation
PoE Schedule	Support
PoE Port Timer Reboot	Support
Services	
DHCP	DHCP Server IP Pool Static Binding Port Static Binding DHCP Relay
Access Protocol	HTTP HTTPS Telnet SSHv2 Manager ACL Session Timeout Password Retry Count Silent Time
Security	
AAA	RADIUS TACACS+ 802.1X Base on port/MAC/local/WEB
DHCP Snooping	Global/VLAN Option 82 Circuit ID

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Software Features

Description	Specification
IP Source Guard	Support
Dynamic ARP Inspection	Support
DoS	Support
ACL	MAC ACL IPv4 ACL IPv6 ACL
Diagnostics	
Syslog	Logging Message Remote Server
Ping	Support
Traceroute	Support
Copper Test	Support
UDLD	Support
Port Statistics	Support
Equipment Management	
Manager Access	Console HTTP/HTTPS Telnet SSH SNMP
Manager IP	Static Address DHCP Client Support IPv4 and IPv6 address Manager VLAN DNS
Time Synchronization	SNTP Manual Time
SNMP	V1/V2C/V3 Community V3 User Group Trap Host

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Software Features

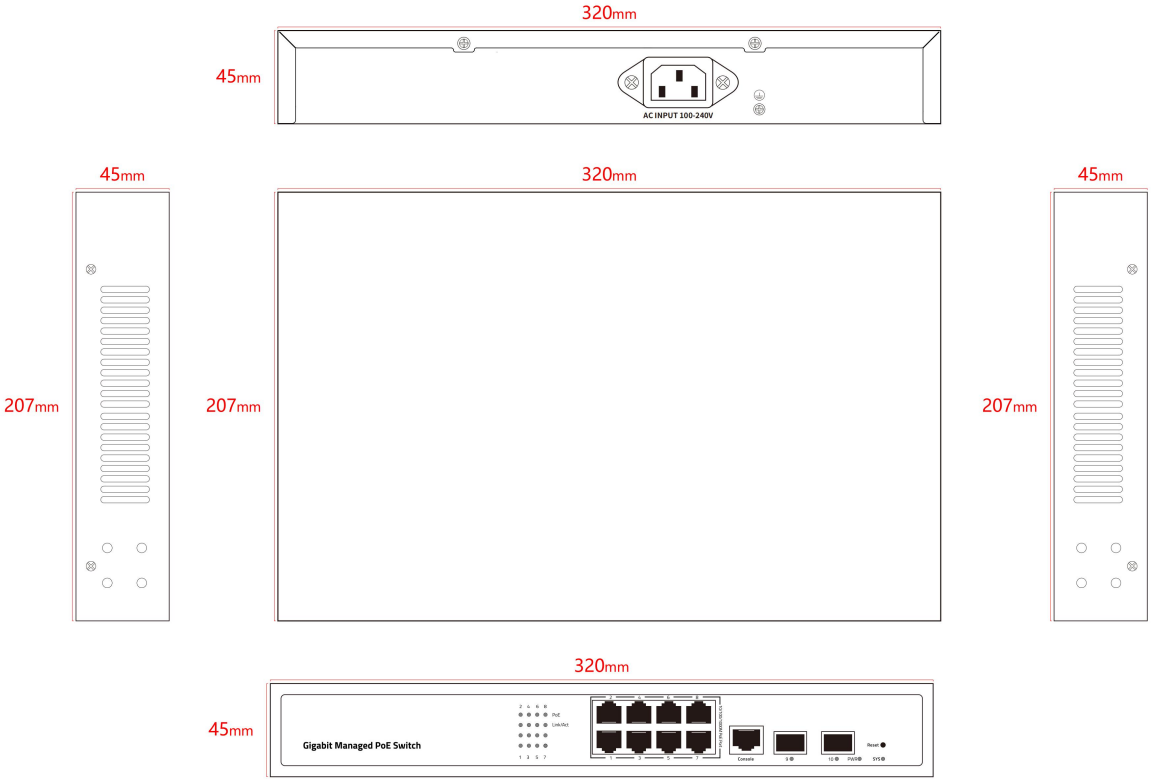
Description	Specification
SNMP MIB	RFC 1213 MIB-II RFC 1493 Bridge MIB RFC 1643 Ethernet MIB RFC 2819 RMON MIB (Groups 1, 2, 3 and 9) RFC 2863 Interface MIB LLDP Private MIB
RMON	Statistics History Configuration Event Configuration Alarm Configuration
User Management	Support
Firmware Management	Firmware upgrade
Configuration Management	Upload and download
Save	Support
Restart	Support
Factory Defaults	Support
Standard Compliance	
IEEE 802.3x flow control and back pressure	
IEEE 802.3ad port trunk with LACP	
IEEE 802.1D Spanning Tree Protocol	
IEEE 802.1w Rapid Spanning Tree Protocol	
IEEE 802.1s Multiple Spanning Tree Protocol	
IEEE 802.1p Class of Service	
IEEE 802.1Q VLAN tagging	
IEEE 802.1x Port Authentication Network Control	
IEEE 802.1ab LLDP	
IEEE 802.3af Power over Ethernet	
IEEE 802.3at Power over Ethernet Plus	
RFC 768 UDP	
RFC 793 TFTP	
RFC 791 IP	

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Software Features

Description	Specification
RFC 792 ICMP	
RFC 2068 HTTP	
RFC 1112 IGMP v1	
RFC 2236 IGMP v2	
RFC 3376 IGMP v3	
RFC 2710 MLD v1	
FRC 3810 MLD v2	

Product Structure Diagram



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