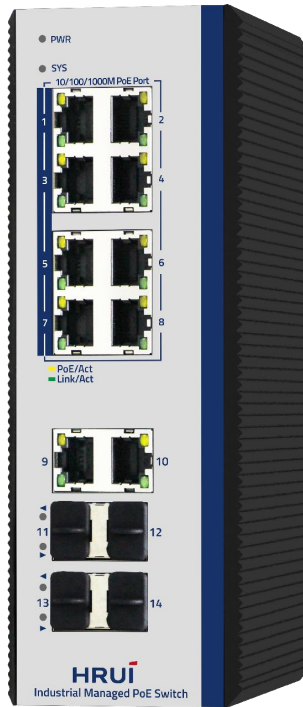


14-Port Gigabit Industrial Managed PoE Switch



Product Highlights

- Support:IEEE802.3、IEEE802.3u,IEEE802.3x,IEEE802.3z/ab,IEEE802.1Q, IEEE802.1p,IEEE802.1d/w
- PoE Power Management, PoE Watch dog based on data stream detection.
- IEEE802.3af(15.4w) and IEEE802.3at(30W)
- Support STP(802.1D), RSTP(802.1w),MSTP(802.1s),ERPS.
- Support SNMP v1/v2/v3.
- Support IGMP Snooping , Static multicast filtering and MLD Snooping.
- Support 802.1x port and AAA Certification,Enhance network security.
- Support WEB, Telnet,CLI,SSH management.
- IP40 protection, rugged high-strength metal case,DIN35 Rail mounting
- EMC grade 4 design,-40 to 75°C working temperature.
- Support Redundant power supply access, Support anti-reverse connection.
- Support EMC EN55032 standard.

Hardware Features

| Description | Specification |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model | HR600-AFGM-SWG20824AS |
| Interface | 8 *1G PoE ports 2 *1G RJ45 ports 4 *1G SFP ports(13-14 Port support 2.5G,Compatible with 1.25G/155M)) 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 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol |
| Bandwidth | 34Gbps |
| Packet Forwarding Rate | 25.29Mpps |
| Packet Buffer | 4Mbit |
| MAC Address Table | 8K |
| Jumbo Frame | 9.6Kbytes |
| VLAN | VLAN range 1-4094, maximum active VLAN is 4K |
| Transmission Method | Store and Forward |
| PoE Standard | IEEE802.3af (15.4W) IEEE802.3at (30W) |
| PoE Port Output Voltage | DC 48-55V |
| PoE Ports | Port 1-8 PoE power output <30W |
| PoE Power Budget | According to the adapter |
| Power Supply | DC12~55V DC48~55V (PoE) Power wiring: 4 PIN industrial terminals (redundant V1+V1-, V2+V2-) |

Hardware Features

| Description | Specification |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mainboard Power Consumption | 9.8W |
| Structure Information | Product Dimensions :188*130*64mm Packaging Dimensions : 242*207*86mm Product Net Weight: 1KG Product Gross Weight: 1.3KG (excluding power supply) |
| Packing Information | Carton Dimensions : 445*445*510mm Packing Quantity: 20PCS Packing Weight: 27KG |
| Package Contents | Switch 1pcs, serial cable 1pcs,manual 1pcs,certificate of qualification 1pcs |
| Fan Quantity | 0 |
| Certification | CE、FCC、RoHS |
| Installation | Desktop,wall mounting installation, rail installation |
| Surge Protection | Port Surge: Common mode 6KV, differential mode 2KV; Electrostatic ESD: Air 15KV, Contact 8KV |
| Operating Temperature | -40 ~ 75°C |
| Storage Temperature | -40~85°C |
| Operation Humidity | 10%~90%,non condensing |
| Storage Humidity | 5%~95%,non condensing |
| SYS Green LED | On: The system is running normally Off:The system is not running |
| 1-10 Green LED | Slow Flashing: 10M/100M/1G Link normal Off: Link blocked Fast Flashing: Data transmitting |
| 1-10 Yellow LED | On: PoE powered on Off: PoE powered off |
| G11-G14 Green LED | On: 10M/100M/1G Link normal Off: Link blocked Flashing: Link data transmission |
| PWR Green LED | On: powered on Off: powered off |
| Reset | Long press for 6 seconds to restore factory settings |

Software Features

| Description | Specification |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2 Function | |
| IPv4 | IPv4 VLAN Interface IPv4 Static Routes ARP |
| Port | Port Switch configuration Port Description configuration Port Speed configuration Port Duplex configuration Port Flow Control configuration Max. 2500Mbps at SFP interface Jumbo Frame EEE Fiber Module(DDM) |
| Link Aggregation | Supports load balance policy; Base on MAC and IP-MAC Static and Dynamic Group Supports LACP |
| Storm Control | Boardcast suppression Unknown Multicast Unknown Unicast |
| Port Mirroring | One to one monitor Many to one monitor Ingress/Egress/Both |
| Port Security | MAC Address Constraints Action: Trap/Shutdown |
| Port Isolation | Support |
| Port Rate-limit | Support |
| Loopback Detection | Support |
| VLAN | Access/Trunk/Hybrid VLAN Tunnel (Q-in-Q Tunnel) GVRP VLAN range 1-4094, maximum active VLAN is 4K |

Software Features

| Description | Specification |
|------------------------|-------------------------------------------------------|
| MAC Address | Dynamic MAC address |
| | Static MAC address |
| Spanning Tree Protocol | STP/RSTP/MSTP |
| | BPDU Filter |
| | BPDU Guard |
| | Edge Port |
| ERPS | Major and sub ring |
| | up to 16 rings |
| Smart Ring | Private Ring |
| | Major and sub ring |
| | Up to 16 rings |
| PTP | Ordinary Clock |
| | Boundary Clock |
| | Transparent clock |
| LLDP | Support |
| Multicast | IGMP Snooping |
| | IGMP V1/V2/V3 |
| | Router Port |
| | Static IGMP group address |
| | IGMP groups filtering |
| | Querier |
| QoS | MLD Snooping |
| | Traffic classification based, Strict priority and WRR |
| | Port Priority |
| | 802.1P Priority |
| | IP DSCP Priority |
| | Supports up to 8 queues per port |
| Port Shaping | |

Software Features

| Description | Specification |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PoE | |
| PoE Configuration | PoE Temperature PoE Type/Level/Power/Voltage/Current query PoE Switch Configuration PoE Watchdog Total PoE power budget control PoE power management PoE port priority IEEE 802.3bt, compatible with IEEE 802.3af/802.3at PoE Per PoE port power limit |
| PoE Schedule | Support |
| PoE Port Timer Reboot | Support |
| Services | |
| DHCP | DHCP Server IP Pool Static Binding DHCP Relay |
| Access Protocol | HTTP Telnet SSH Manager ACL |
| Security | |
| AAA | RADIUS TACACS+ 802.1X Base on port/MAC/local/WEB |
| DHCP Snooping | Support |

Software Features

| Description | Specification |
|------------------------|--------------------------------|
| IP Source Guard | Support |
| Dynamic ARP Inspection | Support |
| ACL | MAC ACL |
| | Port ACL |
| | IPv4 ACL |
| | IPv6 ACL |
| Diagnostics | |
| Syslog | Logging Message |
| | Remote Server |
| Ping | Support |
| Traceroute | Support |
| Cable Diagnostics | Support |
| Equipment Management | |
| Manager Access | Console |
| | HTTP |
| | Telnet |
| | SSHv2 |
| | SNMP |
| Manager IP | Static Address |
| | DHCP Client |
| | Supports IPv4 and IPv6 address |
| | DNS |
| | SNTP |
| Time Synchronization | |
| SNMP | Manual Time |
| | V1/V2C/V3 |
| | Community |
| SNMP | V3 User |
| | Group |
| | Trap Host |

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 |
| | Private MIB |
| RMON | Statistics |
| | History Configuration |
| | Event Configuration |
| | Alarm Configuration |
| User Management | Congurable user privilege level from 0 - 15; |
| Firmware Management | Firmware upgrade |
| | Double Image; Swap between Active and Alternate firmware image. |
| 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 | |
| IEEE 802.3bt PoE++ Power over Ethernet Plus Plus | |
| RFC 768 UDP | |
| RFC 793 TFTP | |
| RFC 791 IP | |

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 | |
| RFC 3810 MLD v2 | |
| ITU-T G.8032 ERPS Ring | |

Product Structure Diagram

