

- Support 8\*10/100/1000M POE Port (at) + 2\*10/100/1000M POE Port (bt) + 2\*Gigabit SFP Port + 2\*2.5G SFP Port + 1\*Console Port.
- Support:IEEE802.3,IEEE802.3u,IEEE802.3x,IEEE802.3z/ab,IEEE802.1Q,IEEE802.1p, IEEE802.1D/W, IEEE802.3bt (60W, 90W).
- Support POE Power Management
- Support Spanning Tree STP(802.1D) and RSTP(802.1W). 802.1s (MSTP,ERPS); Support SNMP v1/v2/v3.
- Support IGMP Snooping,Static Multicast filtering and MLD Snooping filtering; Support 802.1x port authentication and 3A authentication to Enhance Network Security.
- Support WEB,Telnet,CLI,SSH Management; IP40 protect grade, high strength Aluminum Case, DIN35 Rail installation.
- Industrial grade 4 design, -40 to 85℃ working temperature.
- Support Redundant Power Supply Access, Anti-Reverse Connection
- Port Lightning Protection: General Mode 6KV, Differential Mode 4KV, ESD 15KV.
- Support comply with EMC EN55032 Standard
- PD Alive Check ( WatchDog)

## ● Product Description

The HR600-AXGM-SWG20824S Industrial PoE Switch, it support 8\*10/100/1000M POE Port (at) + 2\*10/100/1000M POE Port (bt) + 2\*Gigabit SFP Port + 2\*2.5G SFP Port + 1\*Console Port. These converters are classified as power sourcing equipment (PSE), and when used in this way provide up to 60W/90W to IEEE802.3bt compliant powered devices (PD), eliminating the need for additional wiring. It provided some kinds of advanced network managed function, like as: POE Power Management, Ring redundancy Ring-Network, VLAN, Trunk, QoS, Speed control, port mirroring, fault alarm and firmware upgrade online. SW-Ring can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

It support CE, FCC ROHS standard, adopt industry standard design, IP40 protection, rugged high-strength metal case, Dual power supply input (DC48-55V), -40 to 85℃ working temperature. The converters support IEEE802.3/IEEE802.3u/IEEE802.3x/IEEE802.3ab/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.Wireless AP layout transmission and power supply
- 3.Network telephone transmission , intelligent house and home system
- 4.Intelligent transportation supervisory system (ITS)
5. High-speed Way supervisory/ Tele-Communication System
6. Security protection system, TV medical treatment
- 7.High-building Security Protection, Military Tele-Com project

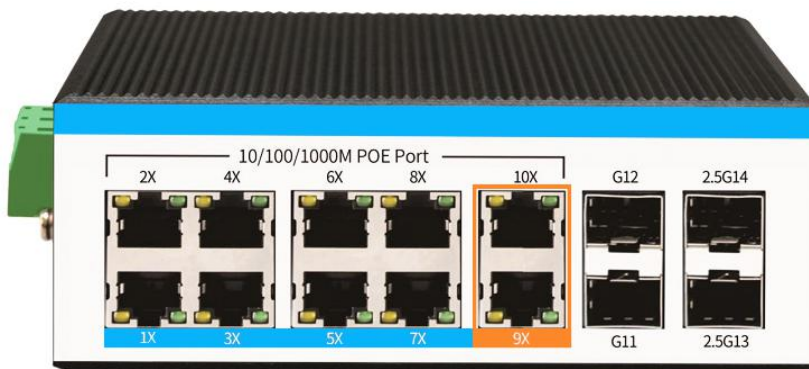
Shenzhen Hong Rui Optical Technology Co., Ltd

14 ports Gigabit Managed Industrial PoE Switch

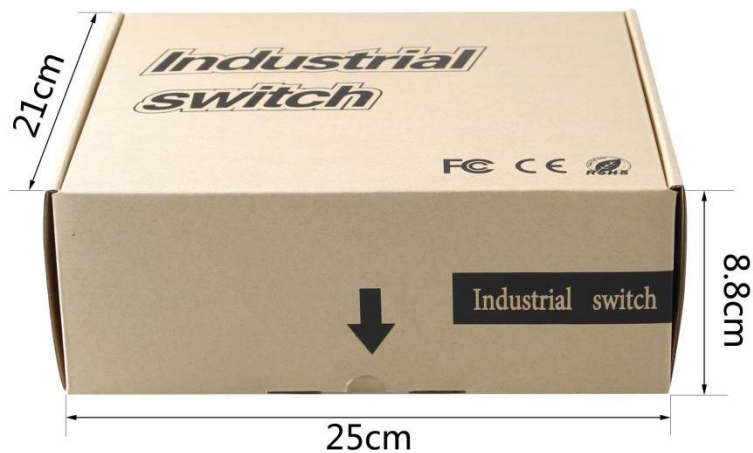
● Pic Reference (Support Both Din-Rail & Wall Mounts Installation)



● Dimension(16.6cm\*12cm\*6cm,Net weight:1.1kg)



● Package Dimension(25cm\*21cm\*8cm, Gross weight:1.5kg)



● Order Information

**Product Model:** HR600-AXGM-SWG20824S

**Product Description:** 14-Port 10/100/1000M Industrial POE Switch, with 2\*10/100/1000M POE Port (bt) + 8\*10/100/1000M POE Port (at) + 2\*Gigabit SFP Port + 2\*2.5G SFP Port + 1\*Console Port. Compatible with both IEEE802.3af, IEEE802.3at, IEEE802.3bt Standard. Managed , Ring-Network transmission, Rail-type installation.

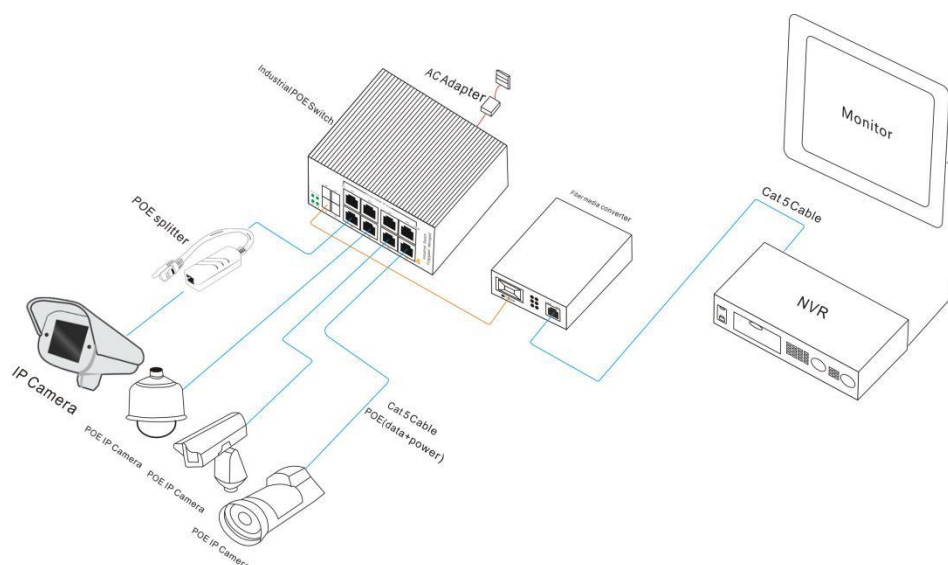
**Note:** Power adapter & SFP module is not included in this package. Please order it separately.

**Accessories in the Package:**



Package List	Industrial PoE Switch ( plus terminal block ) 1PCS
	User Guide 1PCS
	Warranty Card 1PCS
	DIN-Rail mounting kit 1PCS

● Physical Application Reference



### ● Technical parameters

Product Name	14 Port Gigabit Managed Industrial PoE Switch
Product Model	HR600-AXGM-SWG20824S
Interface	8*10/100/1000M POE Port (at) + 2*10/100/1000M POE Port (bt) + 2*Gigabit SFP Port + 2*2.5G SFP Port + 1*Console Port.
Network Protocols	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.1d IEEE802.1w
POE Parameters	POE Standard: IEEE 802.3af / IEEE 802.3at / IEEE 802.3bt
	Single PoE Port Power Output: Max: 15.4 W (IEEE 802.3af) Max: 30 W (IEEE 802.3at) Max: 90 W (IEEE 802.3bt)
	POE port Auto detect IEEE 802.3af / at / bt devices
	POE Power Output: DC48-55V
	POE Power Pin: 1/2-; 3/6+ (bt: 12 - 36+; 45+ 78- )
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-TX: Cat5 or later UTP(≤100 meter)
Fiber Media	Multi-mode: 850nm,1310nm, Transmission Distance: 550m/2Km Single-mode: 1310nm, 1550nm Transmission Distance: 20/40/60/80/100/120KM
Power Supply	Input Voltage: DC48~55V Type of input: 4 pins terminal block (V1+ V1- V2+ V2-)
Working Environment	Working temperature: -40℃~85℃ Storage Temperature: -40℃~ 85℃; Relative Humidity: 5%~95 %( no condensation)
Port Lightning Protection	General Mode 6KV, Differential Mode 4KV, ESD 15KV.

LED Display	PWR	Lighting: Powered Un-Light: No Power
	SYS	Flashing: System is operating normally Un-Light: System is not running
	RJ-45 POE indicator(Yellow)	Lighting: Powered Un-Light: No Power
	RJ-45 ACT indicator(Green)	Slow Flashing: Connecting Un-Light: Data Transmission is failed
	G11-G14	Lighting: Fiber Connection is Normal Un-Light: Disconnect
Industry Standard	EMI: FCC Part 15, CISPR (EN55032) 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	
Certification	CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55032, Class A	
Warranty	5 years	
<b>Hardware Parameters</b>		
Bandwidth	56Gbps	
Packet Buffer Memory	4M	
Chipset	VSC7425/7427	
Packet Forwarding Rate	18Mpps	
MAC Table Size	8K	
Forwarding Mode	Store-And-Forward	
<b>L2 ( Layer 2 Switching )</b>		
Port Management	Enable / disable port Speed, duplex, MTU settings, etc. Flow-control flow control setup Support port mirroring Support port access direction, VLAN image To support the port speed limit, Support port isolation settings	

	Unknown unicast, multicast, broadcast storm suppression PD Alive Check (WatchDog)
Spanning Tree Protocol	Standard Spanning Tree (STP) 802.1d Rapid Spanning Tree (RSTP) 802.1w Multiple Spanning Tree (MSTP) 802.1s
Ring Network Protocol	ERPS
Link Aggregation	Support static manual aggregation, Support LACP dynamic convergence IEEE 802.3ad
VLAN	Support Port based VLAN and IEEE 802.1Q VLAN
IGMP Snooping	Support static add / delete, Support v1/2/3 dynamic multicast listener
GMRP	supports GARP multicast registration protocol
MAC	Support static add / delete MAC address learning limit Support dynamic aging time settings
<b>L3 ( Layer 3 Switching ) and Router Function</b>	
Interface Configuration	Support virtual VLAN interface
ARP	Support check ARP
Router Function	Static Router
<b>Extended Function</b>	
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
Log	User login, operation, status, event log
User Setting	Support add/delete user
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
SSH	supports SSHv1/2 remote management
SNMP	support v1/2/3
	ColdStart, WarmStart, LinkDown, LinkUp
WEB	supports two layers, three layers of view, etc.
POE	POE Management