



● Description

10/100/1000Mbps & 10G Ethernet photoelectric switch, based on BCM high-quality chip, the user can choose the optical port mixed configuration, access to fiber optic media modular design, providing 24 10/100/1000 adaptive electrical port (support POE Expansion) / optical port, 8 multiplexed Gigabit SFP optical ports / electrical ports, 4 integrated 10G optical ports, to the convergence and core data exchange to provide sufficient bandwidth; to provide high-capacity switching capacity, support based on three or four Layer of the ACL function. Perfect security control strategy and CPU protection policy to improve fault tolerance and ensure stable operation of the network and link load balancing. The device supports automatic DoS attack defense and SNMP, IEEE 802.1, spanning tree and spanning tree protocol, Link aggregation and other functions, suitable for small and medium enterprises, campus network, Internet cafes and MAN edge of the use, to meet the long-distance, high-speed, high-bandwidth fast transmission.

● Main Features

- 1.Support 24 *10/100/1000 Self-Adaptive TP /POE ports,8 Combo Gigabit TP/SFP ports+4*10G SFP ports, 1 Console port.
- 2.Support IEEE802.3/IEEE802.3i/IEEE802.3uIEEE802.3ab/IEEE802.3z,IEEE802.3af/at,Store and Forward
3. Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w)
4. Ethernet port Support 10/100/1000M Self-adaptive and POE function.

● Application Environments

1. Metro fiber broadband: telecommunications, cable television, network system integration, etc., according to network operators
2. Broadband network: for the financial, government, oil, rail, electricity, public security, transportation, education and other industries
3. Multimedia transmission: image, voice, data transmission, for distance learning, conference television, video telephony and other applications
4. Real-time monitoring: real-time control signals, images and data transmission at the same time
5. Anti-harsh environment: for strong electromagnetic interference, long-distance harsh environment network

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● Specifications

Features	
Product name	24 ports L3 managed 10G Switch
Model No.	HR-AFGM-SWTG342408S
Port	24 *10/100/1000 Self-Adaptive TP /POE ports, 8 Combo Gigabit TP/SFP ports+ 4*10G SFP+ ports, 1 Console port.
Network protocol	IEEE802.3AF (PoE) IEEE802.3AT (PoE+) IEEE 802.3,10Base-T IEEE 802.3u IEEE 802.3ab IEEE 802.3ae IEEE 802.3x IEEE 802.3ad IEEE 802.1ab-2005, LLDP IEEE 802.w IEEE 802.1q IEEE 802.1p, QoS/CoS
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 m) 100BASE-TX: Cat5 or more UTP(≤100 m) 1000BASE-TX: Cat5 or more UTP(≤100 m)
Optical	Multimode: 1310nm, 2Km Single Mode: 1310nm, 20/40 Km 1550nm, 60/80/100/120Km
LED	FX,PWR,Link/ Act,SYN
Power supply	Input: AC110-264V Total Power 360W
Dimension	Product Size:444x360x44mm Weight:24TP ports 3.21KG 24 SFP ports 3.25KG
Environments	Working Temperature:-20~50°C Storage Temperature:-40~85°C Working humidity:90% Storage humidity:95%
Certification	CE, FCC,ROHS,CCC
MTBF	100,000 hours
Package List	1.POE Switch: 1 2.User manual : 1 3.Power Cable: 1 4.Warranty Card: 1

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Warranty	5 years
Basic characteristics	
Fixed port	24*10/100/1000 Self-adaptive TP/POE ports,8 SFP Combo ports + 4 ports 10G Ethernet port , 1 console port
Bandwidth	128Gbps
Forwarding rate	96Mpps
Processor	ARM® Cortex™-A9
Flash memory capacity	8MB
Memory Capacity	256M
MAC address table	12K
Queue buffer	64MB
Remote upgrade	Support upgrade through the web version or the local version upgrade
L2 Software Features	
Port management	Enable/Disable port
	speed、 duplex、 MTU Setting
	flow-control
	Port information view
Port mirroring	Support port access direction, vlan mirror
Port speed limit	Support , speed limit by the chip
Port isolation	Support
Storm suppression	Supports unknown unicast, unknown multicast, broadcast storm suppression
Link aggregation	Supports static manual aggregation
VLAN	Access
	Trunk
	hybrid
	Supports VLAN assignment based on port, protocol, MAC
MAC	Support static add, delete
	MAC address learning limit
	Support for dynamic aging time settings
Spanning Tree	Support 802.1d (STP)
	Support 802.1w (RSTP)
	Support 802.1s (MSTP)
IGMP-snooping	Support static add, delete
L3 & Router	
Interface configuration	Support SVI port
ARP	Support static ARP
	Support setting ARP Aging time

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VRRP	Supports VRRP route backup
ND	Support IPv6_ND configuration
Router	Static router
	RIP (V1/V2) / OSPF(V2) /
	RIP/OSPF/ Support route authentication function
	RIP/OSPF/ Support route import, filter function
Extender function	
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port number
	Support time-range time period management
QOS	Based on 802.1p (COS) classification
	Based on DSCP classification
	Based on source IP, destination IP, port number classification
	Support SP, WRR, DRR scheduling strategy
	Support rate speed limit CAR
LLDP	Supports LLDP link discovery protocol
User setting	Add/Delete users
Log	User login, operation, status, event log
Anti-attack	DOS Defense
	Support CPU protection, limit the rate of sending cpu packets
Network diagnosis	Support ping、telnet、trace
System management	Device reset, configuration save / restore, upgrade management, time setting, and so on
Management Function	
CLI	Supports serial command line management
TELNET	Support telnet remote management
WEB	Support L2

● Available Model

Model No.	Description
HR-SWTG342408	24*10/100/1000M TP ports+8 Combo TP/SFP ports+ 4*10G SFP ports
HR-SWTG34240F8	24*1000M SFP ports+8 Combo TP/SFP ports+ 4*10G SFP ports
HR-AFG-SWTG342408	24*10/100/1000M POE ports+8 Combo TP/SFP ports+ 4*10G SFP ports