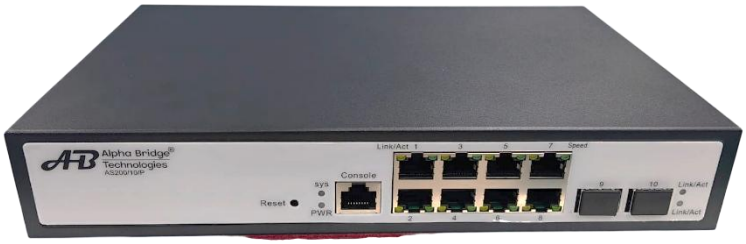
ALPHA BRIDGE
LAYER 2 Switch
AS210P



Verified Service characteristics, Complete Security Mechanism.

Carrier-Grade, High Reliability.

Advanced Hardware Architecture and Industry-leading Port Density.

Supports Max. 8 GE POE and 2 100/1000M SFP Ports.

Features:

- 150 W PoE Budget:
- 8× 802.3at/a f-compliant PoE+ ports with a total power supply of 120 W.
- Full Gigabit Ports: 8× gigabit PoE+ ports and 2× gigabit SFP provide high- speed connections.
- Robust Security Strategies: IP- MAC-Port Binding, ACL, Port Security, DoS Defend, Storm control, DHCP.
- Snooping, 802.1X, Radius Authentication, and more.
- Switching Capacity 20Gbps.
- Supports web-based GUI and command line interface (CLI) through telnet and SNMP.
- Supports IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3at,IEEE802.3af, IEEE802.3az.
- Supports PoE power up to 30W for each PoE port, all power up to 150W.
- 8× gigabit PoE+ ports and 2× gigabit SFP.
- Supports MAC address auto-learning and auto-aging.
- Store and forward mode operate.
- LED indicators for monitoring power, link/activity.
- Support QoS, port mirroring, and link aggregation protocol.
- 19 inches full metal iron shell and internal power adapter

Product Overview

The L2 Managed Gigabit 8POE+2SFP Switch is a layer 2 plus managed switch equipped with 8 gigabit RJ45 portsand 2G SFP. All RJ45 Ports support the 802.3af/at (PoE+) standard, supplying a total PoE power of 150W.
With abundant layer 2+ management features supported, the Layer 2 can deliver high throughput to even the most demanding edge-of-network workgroups. In small networks, it can act as a backbone for gigabit switches and high-speed servers. Two SFP slots provide greater network flexibility.
The L2 Managed Gigabit 8POE+2SFP is designed exclusively for the networking needs of growing businesses. It offers an extensive suite of management and security features. These devices are cost-effective for small and medium-sized businesses and provide ideal solutions for a variety of network scenarios.

design, suitable for rack installation.

Application

- Wireless Access Point
- IP Camera
- IP Phone
- Computer Networks

Specification

Model		AS210P_V3
Chipset		RTL8380M+TPS23861*2
Standards		IEEE 802.3i, IEEE 802.3u, IEEE802. 3ab, IEEE802.3x, IEEE802.3az,IEEE802.3af, IEEE802.3at
Number of Ports		8 x 10/100/1000Mbps ports 2 x 1000Mbps SFP ports1x Console port
Network Media (Cable)		10Base-T: UTP category 3, 4, 5 cables (maximum 100m) 100Base-Tx: UTPcategory 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5e, 6 cables (maximum 100m) 1000Base-X: MMF, SMF
Transfer Method		Store-and-Forward
MAC Address Table		8K
Switching Capacity		20Gbps
Packet Forwarding Rate		41.67Mpps
Packet Buffer		4.1Mbit
Jumbo Frame		12Kbytes
PoE Ports (RJ45)		8x PoE ports compliant with 802.3at/af
Power Pin Assignment		1/2(+),3/6(-)
PoE Budget		150W@100~260VAC,50/60HZ
Indicators	**Per Device**	Power, Systeme
	Per Port	Link/Activity,
Power Supply		100~240VAC,50/60HZ,1500W
Power Consumption		Maximum (PoE on): 150W
Dimensions (W×D×H)		230x150x44.5mm (11” metal case)
Environment		Operating Temperature: 0℃~50℃Storage Temperature: -40℃~70℃Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing

Software Information

L2 Features		Support
MAC Address Table		8K
Jumbo Frame		10K (10000)
Flow Control	**802.3x (Full-duplex)**	Yes
	Back-Pressure (Half-duplex)	Yes
Spanning Tree	**IEEE 802.1D (STP)**	Yes
	IEEE 802.1w (RSTP)	Yes
	IEEE 802.1s (MSTP)	16 instances
	Auto Edge Port	Yes
	BPDU Filtering	Yes
	ERPS	Yes
	Self-Loop Detection	Yes
Link Aggregation	**IEEE 802.3ad LACP**	Yes
	Static Trunk	Yes
	Max. Group	8

	Max. Ports/Group	8
	Traffic Load Balancing	Yes
Static Routing		Yes (IPv4/IPv6)
Address Resolution Protocol (ARP)	**Static ARP**	Yes
VLAN		
VLAN	**Static VLAN**	256
	Port-based	Yes
	IEEE 802.1Q Tagged-based	Yes
	Protocol-based	8 groups
	MAC-based	256
Voice VLAN	**OUI Mode (Auto/Manual)**	16 OUI
Surveillance VLAN		OUI Mode (Auto/Manual)
QinQ (IEEE 802.1ad)		Basic
Multicast		
Common	**Multicast Groups**	256
	Immediate Leave	Yes
	Static/For bidden Router Port	Yes
	Static/For bidden Forward Port	Yes
	Filtering	128 profiles
	Throttling	Yes
IGMP Snooping	**IGMP v1/v2**	Yes
	IGMP v3 Basic (BISS)	Yes
	IGMP v2/v3 Querier	Yes
MLD Snooping	**MLD v1/v2**	Yes
Multicast VLAN Registration (MVR)		Yes (IPv4)
QoS Features		
Priority Queue		8 queues/port
Queue Scheduling	**WRR**	Yes
	WFQ	Yes
	Strict Pripority	Yes
	Hybrid (WRR+SP or WFQ+SP)	Yes
Class of Service	**Port-based**	Yes
	802.1p	Yes
	IP TOS Precedence	Yes
	IP DSCP	Yes
Trusted QoS		
Rate Limit	**Port-based (Ingress/Egress)**	Yes
Access Control List (ACL)		
Access Rules		1024
ACL Type	**L2/L3/L4**	Yes
	MAC-based	512
	IPv4-based	
	IPv6-based	
	Power	Yes

PoE Function	**Current**	Yes
	Voltage	Yes
	PoE Watch Dog	Yes
Security		
AAA	**Authentication**	Yes
TACACS+		8
RADIUS		8
Authentication Manager	**IEEE 802.1X**	Yes
	MAC Auth	Yes
	Web Auth	Yes
	Guest VLAN	Yes
	Port-based	Yes
	Host-based	Yes
Account Manager	**Local Authentication**	Yes
	Multiple User Account	8
	Multi-Level Security(Manager/Operator)	Yes
	Password Recovery Procedures	Yes
Management Access	**Management VLAN**	Yes
	Management ACL	256
SSL	**SSLv2**	Yes
	SSLv3	Yes
	TLSv1	Yes
Web UI	**HTTPS**	Yes
CLI	**SSH v1/v2**	Yes
Port Security	**Dynamic Lock**	256
Storm Control	**Broadcast**	Yes
	Unknown Multicast	Yes
	Unknown Unicast	Yes
Spanning Tree	**BPDU Guard**	Yes
Protected Port (Port Isolation)		Yes
Black Hole MAC		Yes
CPU Defence Engine		Yes
DoS Prevention		Yes
DHCP Snooping (with Option 82)		Yes
Dynamic ARP Inspection		Yes
IP Source Guard		256
IP/MAC/Port Binding (IMPB)		Yes
Dynamic VLAN Assignment		Yes
IPv6		
	Auto Configuration	Yes
	Static IPv6 Address and Prefix Length	Yes
	Static IPv6 Default Gateway	Yes

IPv6 Host	**IPv6 Neighbor Discovery (ND)**	Yes
	IPv6 Duplicate Address Detection	Yes
	ICMPv6	Yes
IPv6 Application	**HTTP/HTTPS**	Yes
	TELNET	Yes
	SSH	Yes
	SNMP	Yes
	TFTP	Yes
	Syslog	Yes
	PING	Yes
	DHCPv6	Yes
Management		
CLI	**Console**	3 sessions
	Telnet (RFC854)	
Web UI	**HTTP**	Yes
SNMP	**v1**	Yes
	v2c	Yes
	v3	Yes
File Management	**Firmware Upgrade/Backup**	Yes
	Dual Images	Yes
	Configuration Download/Backup	Yes
	Multiple Configurations	Yes
Upload/Download	**TFTP (RFC783)**	Yes
	HTTP	Yes
	UART	Yes
Time Management	**Local**	Yes
	SNTP	Yes
Port Management	**Friendly Port Name (Port Description)**	Yes
	Error Disabled Recovery	Yes
Line Management	**Console**	Yes
	Telnet (RFC854)	Yes
	SSH v1/v2	Yes
DHCP	**Client**	Yes
DNS	**Client**	Yes
Software Reset Button		Yes
EEE (802.3az)		Yes
RMON Management		32 entries/type
Discovery		
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)		Yes
ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)		Yes
Diagnostics		

Mirroring	**Port-based (Many to One)**	4session
Syslog (RFC3164)	**Local RAM**	Yes
	Local Flash	Yes
	Remote Server	8
System Diagnostics	**CPU Utilization**	Yes
	Memory Utilization	Yes
	Port Utilization	Yes
	Technical Support Log	Yes
Port Diagnostics	**Cable Test**	Yes
	Fiber Module Status	Yes
Network Diagnostics	**Ping Test**	Yes
	Traceroute	Yes
UDLD		Yes
MIB		
RFC1213 MIBII (System & Interface groups)		Yes
RFC2819 RMON I (1,2,3, & 9 groups)		Yes
RFC1215 Generic Traps		Yes
RFC1493 Bridge		Yes
RFC2674 Bridge MIB Extensions		Yes
RFC2737 Entity		Yes
RFC3635 Ethernet-Like		Yes
RFC2863 Interface Group		Yes
SNMP-Community-MIB		Yes
SNMPv3-MIB		Yes

Ordering Information

Item	Description
AS210P	Ethernet PoE switch with 10 GE ports (1 console port, 8 GE PoE ports, 2 100/1000M SFP ports, 1 standard AC220V power supply, 150W PoE, fanless, 1U, rack-mounted installation) as per RDSO 65.

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