

Network SWITCH



LAYER 2 Full Gigabit POE ASP Series

AS-O8O2-BP / AS-16O2-BP / AS-2528-BP

OVERVIEW

Angustos ASP Series is Full-gigabit, large power network switch suitable for medium size Data and Power distribution. Designed for Carrier, Data Center and Enterprise centralized networks that required stability and durability.

Support latest features of networking protocols : Ring protection, STP/RSTP/MSTP, backup routing, LCAP link aggregation. ACL function to access and control L2-L7 data based on physical port. Support new-generation L2 multicast functions with IGMP-Snooping, fast-leave and MRV.

PRODUCT FEATURES

POE+

- IEEE 802.3af & IEEE 802.3at POE standards
- Large POE budget, mapping scale up to 370W POE+ power.
- Manual or dynamic power allocation with non stop power supply
- 2KV thunder-proof of POE port and power supply

Enhanced QoS

- Retagging and Flow classification based on VLAN, MAC, IP or priority.
- Flexible bandwidth control policies, support flow limit to ensure quality
- Queue schedule algorithms with SP, WRR or SP + WRR

Flexibile Networking

- Easy Maintenance with CLI/ Telnet/ SSH/ SSL and SNMP.
- Web GUI module built-in for easy management procedures.
- Support FTP, TFTP, SFTP, ISSU, Zero Touch Provisioning.
- Automatic equipment discovery, network topology, equipment configuration, performance data statistic and analysis.

VLAN

- 4K Active VLAN,
- QinQ & Selective QinQ,
- GVRP, Private VLAN,
- Voice VLAN

Spanning Tree

- 802.1D (STP),
- 802.1W(RSTP) and 802.1S(MSTP)
- BPDU guard, root guard and loopback guard

Multicast

- IGMP v1/2/3
- IGMP Snooping / IGMP Fast Leave
- IGMP Filter / MVR

IP

- Static route
- RIP, OSPF
- 512 routing table
- IPv4/v6 dual stack
- DHCP Server/Client/Relay

Basic Standards

- IEEE 802.3 - 10Mbit/s
- IEEE 802.3ab - G.bit/s Base-T
- IEEE 802.3z - G.bit/s Base-X
- IEEE 802.3u - 10/100 Mbit/s auto
- IEEE 802.3at - POE +

QoS

- CAR, HoS, MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOS based
- QoS, 802.IP/DSCP priority relabeling, SP, WRR, and "SP+WRR",
- Tail-Drop, WRED, flow monitoring and traffic shaping

Security

- Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky DHCP Snooping and option 82, DAI & IP source guard, PPPoE+.
- IEEE 802.1x, Radius and BDTacacs+
- L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc.
- Broadcast/multicast/unknown unicast storm-control
- Md5, SHA-256, RSA-1024, AES256, etc.

Environment

- Operating temperature/humidity: -10°C-60°C, 0%-90% non-condensing
- Storage temperature/humidity : -20°C-70°C, 0%-90% non-condensing



Advance Security

- Level-based packet schedule, packet protection
- Prevent DoS-/TCP SYN Flood, UDP Flood, Storm
- Command Line protection with user permission level
- Support IEEE 802.1x, RADIUS and BDTacacs+.
- Support Multicast/Unicast Storm limit.
- Support Perfect Ring detection
- Port isolation within VLAN, DHCP-Snooping
- Support IP + MAC + Port binding.

Stability

- Static/LACP link aggregation, Interface backup
- EAPS and ERPS
- ISSU

Management

- Console, Telnet,SSH v1/2,HTTP, HTTPS SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP(Zero Touch Provisioning)
- SPAN, RSPAN



SPECIFICATION

		AS-0802-BP	AS-1602-BP	AS-2528-BP
Interface		8 GE POE Port	16 GE POE Port	24 GE POE Port
		2 x 100/1000M SFP	2 x GE TX/SFP Combo 2 x 100/1000M SFP	4 x GE TX/SFP Combo
Backplane		20 Gbps	40 Gbps	56 Gbps
Forwarding Rate		15 Mpps	30 Mpps	42 Mpps
Power consumption	No load	7 W	15 W	17 W
	Full load	142.5 W	261.5 W	393.5 W
Power supply	100-220V (50-60Hz)	150 W	265 W	400 W
POE budget		130 W	250 W	370 W
Total Output BTU	(1000BTU/H=293W)	511.9	892.1	1365.2
Fan		Fanless	2	2
MTBF(H)		50,000 H	50,000 H	50,000 H
Dimension	WxDxH (mm)	280x180x44	440x210x44	440x210x44
Weight	Empty (kg)	1.6	2.8	3
Console			1 x RJ45 port	
Forwarding Mode			Store-Forward	
Flash (MB)			16	
DRAM (MB)			128	
MAC			8K	
Buffer size (MB)			4.1	
Jumbo Frame			9K	
Total SVI			10	
Certification			CE, FCC, RoHS	
Indicator			Leds for Power, Fiber Uplink, Ethernet link and POE	
Temperature			Operational : -10°C-60°C Storage : -20°C-70°C	
Humidity			Operational : 0 - 90% Storage : 0 - 90% Non-Condensing	
Optical Module		<i>*Other module available upon request</i>		
AS-SFP-CO		GE SFP single to RJ45 module		
AS-SFP-SX-D		GE SFP MM (500m,850nm,LC,DDM)		
AS-SFP-LX-10-D		GE SFP SM (10Km,850nm,LC,DDM)		
AS-SFP-LX-20-D		GE SFP SM (20Km,850nm,LC,DDM)		
AS-SFP-LX-40-D		GE SFP SM (40Km,850nm,LC,DDM)		
AS-SFP-LX-SM-90-80-BD		GE SFP SM (80Km,TX1490/RX1550,LC,DDM)		
AS-SFP-LX-SM-50-80-BD		GE SFP SM (80Km,TX1550/RX1490,LC,DDM)		