

ALLNET Switch smart managed Layer2 10 Port • PoE Budget 140W • 8x PoE at • 2x SFP • 19" • Fanless • ALL-SG8310v2PM

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Highlights:

- 8-port 10/100/1000Mbps with full PoE support
- 2x SFP slots for optional MiniGBICS
- PoE power 4x a' 30 Watt (IEEE802.3at or 8x IEEE802.3af)
- FANLESS DESIGN with internal power supply unit
- Jumbo Frames and IGMP Snooping Support
- Link Aggregation and Rapid Spanning Tree
- IEEE802.1q VLAN tagging and 802.1p priority queues
- PoE budget 140 W

The ALL-SG8310v2PM is an 8-port 10/100/1000Mbps switch with PoE support on all ports, perfect for segmenting larger networks. It is an excellent choice to provide your network with more power and efficiency.

IEEE 802.3af&at Power over Ethernet (PoE).

The ALL-SG8310v2PM supports IEEE 802.3at PoE standard on 4 ports ports with up to 30W power per port for the connected PoE end devices, or full IEEE802.3af power on 8 ports with up to 15.4W. The maximum PoE budget is 140W. The ALL-SG8310v2PM uses the existing LAN cabling for the power supply. This facilitates the installation of PoE end devices such as WLAN access points, IP cameras, VoIP telephones and much more, as no consideration has to be given to power sockets during placement. The PoE ON/OFF function allows the administrator to conveniently reset the end devices remotely by turning off the PoE power supply for each

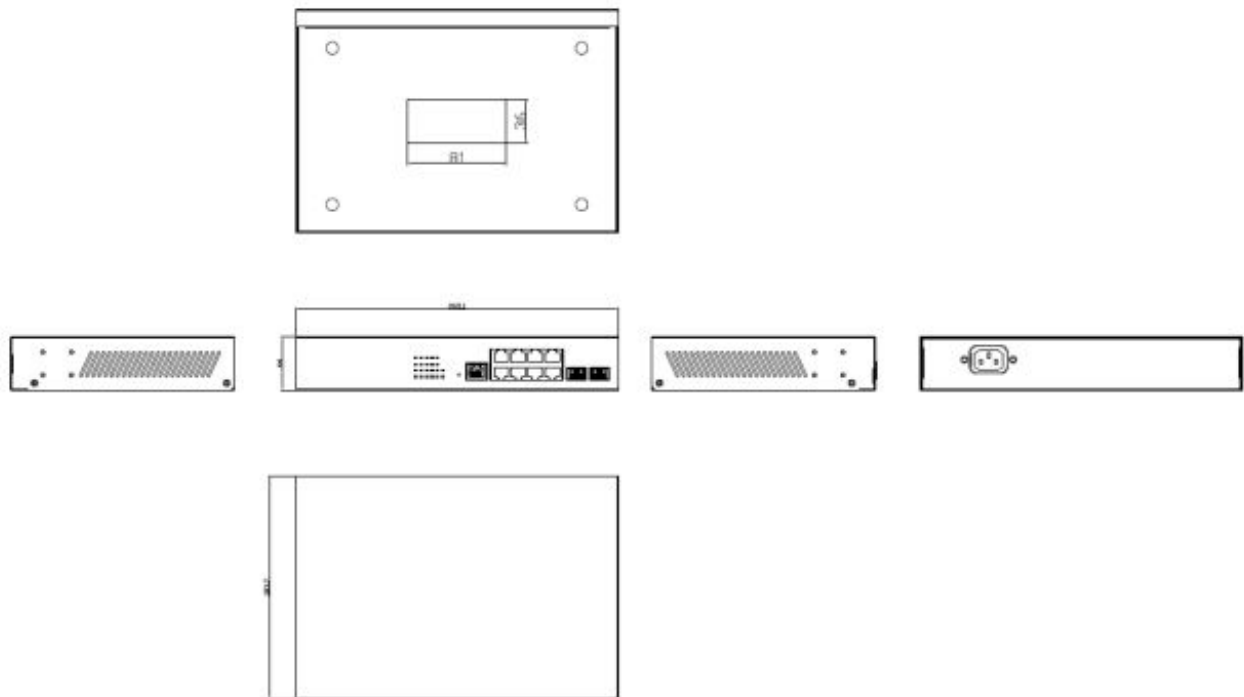
individual port.

High-Speed Networking/Jumbo Frames Support

The ALL-SG8310v2PM provides an excellent solution for expanding your Gigabit network. With Gigabit speed, this product offers high flexibility and bandwidth for connectivity to servers, workstations and other connected devices. In addition, it also supports 9.6K jumbo frames for better network utilization, which greatly improves the transfer of large files.

Extensive management/administration features

Modern applications for video surveillance with IP cameras and Voice over IP are increasingly replacing classic analog technologies. This also increases the demands on the network infrastructure. The ALLNET ALL-SG8310v2PM is equipped with many management and security functions for all modern communication scenarios. IGMP Snooping, Tagged VLAN, Quality of Service, Port Trunking, Flow Control, Storm Control, Link Aggregation, IEEE802.1x, SNMP v1/ v2c and Spanning Tree are only a small excerpt from the extensive feature portfolio of the ALL-SG8310v2PM. For more details see Technical Details.



Technical Details:

Items	Specifications



Model No.	ALL-SG8310v2PM
Key Components	RTL8382M Flash IC:16MB DDR: 1Gb IP808AR PSE controller
I/O ports	8x GbE ports, RJ45 2 x SFP Giga ports Reset Button: reset to default setting, re-start system Console port by RTJ45 Type
PoE ports	Port# 1~ 8 IEEE802.3at, IEEE802.3af
LED Define	PWR/SYS: Green LED • Off: power off or fail • On: power on • Blinking: system booting up PoE Alert: Green LED • Off: No over PoE Max power Alert • On: Over PoE Max power Alert Port LED: Link/ACT: • Off: port disconnected or link fail • Green on: 10/100/1000Mbps connected • Blinking: sending or receiving data PoE: • Off: PoE power output off • Green on: PoE power output on SFP: - Off: disconnected or fail - Green: 100/1000Mbps connected



	- Blinking: data transmitting																								
HW feature	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3az EEE IEEE802.3at, IEEE802.3af MAC address Table: 8K Packet buffer size: 4.1M Jumbo Frame: 9K bytes																								
Console	Support Cisco-like CLI command																								
Security	DT Security circuit.																								
PoE power pin-out	Alternative A (Pin 1,2/3,6)																								
PoE Output power capacity	Maximum output :30W per each port 1. Compliant with IEEE802.3af/at standard, Following IEEE802.3at/at to support PoE or PoE+ 2. Automatically discover the connection of PD device and immediately sends power to it 3. Auto disable port if the port current is over 700mA or short happens 4. Priority default setting is lower port NO. has high priority 5. The maximum power used by power devices is defined by the following classification. When Port works in Auto Mode, the output port power limit will be associated with PD classification Value. <table><tr><th>Class</th><th>Usage</th><th>Minimum Power Levels Output at the PSE</th><th>Maximum Power Levels at the Powered Device</th></tr><tr><td>0</td><td>Default</td><td>15.4W</td><td>0.44 to 12.95W</td></tr><tr><td>1</td><td>Optional</td><td>4.0W</td><td>0.44 to 3.84W</td></tr><tr><td>2</td><td>Optional</td><td>7.0W</td><td>3.84 to 6.49W</td></tr><tr><td>3</td><td>Optional</td><td>15.4W</td><td>6.49 to 12.95W</td></tr><tr><td>4</td><td>Optional</td><td>30W</td><td>12.95W to 25.5W</td></tr></table> 1. Follow the standard PSE pin-out standard of Alternative A (MAD-X) which is sending out	Class	Usage	Minimum Power Levels Output at the PSE	Maximum Power Levels at the Powered Device	0	Default	15.4W	0.44 to 12.95W	1	Optional	4.0W	0.44 to 3.84W	2	Optional	7.0W	3.84 to 6.49W	3	Optional	15.4W	6.49 to 12.95W	4	Optional	30W	12.95W to 25.5W
Class	Usage	Minimum Power Levels Output at the PSE	Maximum Power Levels at the Powered Device																						
0	Default	15.4W	0.44 to 12.95W																						
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4	Optional	30W	12.95W to 25.5W																						



	power over number 1,2,3,6 pins of 8 wires of Ethernet CAT5 UTP cable
Power Input	Internal power supply Input: 100-240V AC Output: 180W
PoE Power Budget	140W
Reset button	Support reset to default configuration
Dimension	265(W) x 183(D) x 44(H) mm
FAN Design	Fan-less
Temperature	Operating: 0 ~ 40? Storage : -40 ~ 70?
Humidity	Operating: 10% ~ 90% RH (non-condensing) Storage: 5% ~ 90% RH (non-condensing)

Software Features

Status	System Information		
	Logging Message		
	Port	Statistics	
		Error Disabled	
		Bandwidth Utilization	
	Link Aggregation		
	MAC Address Table	8K	
Network	IP Address	Static / Dynamic	
	System Time	SNTP / From Computer / Manual Time	
Port	Port Setting	State / Speed / Duplex / Flow Control	
	Error Disabled	Recovery Interval	ACL / ARP Rate Limit / BPDU Guard / Broadcast Flood / DHCP Rate Limit / Port Security / Self Loop / Unicast Flood / Unknown Multicast Flood
	Link Aggregation	Group	
		Port Setting	State / Speed / Flow Control

		LACP	
	EEE		
	Jumbo Frame	9K Byte	
PoE	Global Setting	Schedule Status	
	Priority Setting		
	Power Limit		
	Power Show		
VLAN	VLAN	Create VLAN	
		VLAN Configuration	
		Membership	
		Port Setting	
	Voice VLAN	Property	
		Voice OUI	
	Protocol VLAN	Protocol Group	
		Group Binding	
	MAC VLAN	MAC Group	
		Group Binding	
	Surveillance VLAN	Property	
		Surveillance OUI	
	GVRP	Property	
		Membership	
		Statistics	
MAC Address Table	Dynamic Address	Aging Time	
	Static Address		
	Filtering Address		
Spanning Tree	Property	State / Operation Mode / Path Cost / BPDU Handling	Operation Mode : STP/RSTP/MSTP
	Port Setting		
	MST Instance		
	MST Port Setting		
	Statistics		
Discovery	LLDP	Property	
		Port Setting	
		MED Network Policy	
		MED Port Setting	



Multicast		Packet View	
		Local Information	
		Neighbor	
		Statistics	
	General	Property	Unknown Multicast Action / Multicast Forward Method
		Group Address	
		Router Port	
		Forward All Table	
		Throttling	
		Filtering Profile	
		Filtering Binding	
	IGMP Snooping	Property	State / Version / Report Suppression
		Querier	
		Statistics	
	MLD Snooping	Property	State / Version / Report Suppression
		Statistics	
	MVR	Property	State / VLAN / Mode / Group Start / Group Count / Query Time
		Port Setting	
		Group Address	
Security	RADIUS		
	TACACS+		
	AAA	Method List	
		Login Authentication	Console / Telnet / SSH / HTTP / HTTPS
	Management Access	Management VLAN	
		Management Service	Telnet / SSH / HTTP / HTTPS / SNMP / Session Timeout
		Management ACL	
		Management ACE	
	Authentication Manager	Property	
		Port Setting	

		MAC-Based Local Account	
		WEB-Based Local Account	
		Sessions	
	Port Security		
	Protected Port		
	Storm Control		State / Broadcast / Unknown Multicast / Unknown Unicast / Action (Drop / Shutdown)
	DoS	Property	
		Port Setting	
	Dynamic ARP Inspection	Property	
		Statistics	
	DHCP Snooping	Property	
		Statistics	
		Option82 Property	
		Option82 Circuit ID	
	IP Source Guard	Port Setting	
		IMPV Binding	
		Save Database	
ACL	MAC ACL		
	MAC ACE		
	IPv4 ACL		
	IPv4 ACE		
	IPv6 ACL		
	IPv6 ACE		
	ACL Binding		
QoS	General	Property	CoS / DSCP / CoS-DSCP / IP Precedence
		Queue Scheduling	Strict Priority / WRR
		CoS Mapping	
		DSCP Mapping	
		IP Precedence Mapping	
	Rate Limit	Ingress / Egress Port	



		Egress Queue	
Diagnostics	Logging	Property	Console / RAM / Flash
		Remote Server	
	Mirroring		
	Ping		
	Traceroute		
	Copper Test		
	Fiber Module		
	UDLD	Property	Message Time
		Neighbor	
Management	User Account		
	Firmware	Upgrade / Backup	Action (Upgrade / Backup) / Method (TFTP / HTTP)
		Active Image	Active Image / Backup Image
	Configuration	Upgrade / Backup	Action (Upgrade / Backup) / Method (TFTP / HTTP)
		Save Configuration	Source File / Destination File, Restore Factory Default
	SNMP	View	
		Group	
		Community	
		User	
		Engine ID	
		Trap Event	Authentication Failure / Link UP_Down / Cold Start / Warm Start
		Notification	
RMON	Statistics		
	History		
	Event		
	Alarm		

Attributes



Part No.: 209904
Vendor Part No.: ALL-SG8310v2PM

Attribute	Value
Anzahl Ports PoE/LAN:	8/0
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	19"
LAN Geschwindigkeit:	1Gbit/s;
Management:	smart managed (WebGui)
PoE Budget:	<200 Watt
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP 1GBit
SFP Port Anzahl:	2
Weight:	2,62 Kg
Warranty:	24.00 Months

Accessories

Part No.	Name
27947	ALLNET ALL4750 / Switch module SFP (mini Gbic), 1000Mbit, SX
59426	ALLNET ALL4751 / Switch module, GBIC mini module, 1000Mbit,
114334	ALLNET Switch Modul ALL4752 SFP(mini Gbic), 1000Mbit, LHX/LC
59391	ALLNET ALL4753 / Switch module GBIC Mini module, 1000Mbit, L
59393	ALLNET ALL4755 / Switch module SFP (mini Gbic), 1000Mbit, ZX
175246	ALLNET Gigabit PoE Injector / PoE & PoE+ (15.4 W/30 W) / 2.5 Gbps / Metal Housing / "ALL0489v4"
99315	ALLNET ALL8804PoE+ / Unmanaged 8 Port Giga.HPoE Switch, 2x P
90956	ALLNET ALL8894WMP / Smart managed 8 Port Giga.HPoE Switch, 2
93392	ALLNET Switch unmanaged 8 port Gigabit 150W / 8x PoE+ / Fanless / 19" / "ALL8808POE"
223949	ALLNET Switch full managed Layer2+ 10 Port • 8x GbE • PoE Budget 130W • 8x PoE at • 2x SFP • 19" • Fanless • JSON API • ALL-SG8610PMJ
75932	Patchkabel RJ45, CAT5e 100Mhz, 0,25m grau, FTP(F/UTP), Synergy 21,
194025	ALLNET Switch full managed 24 Port Gigabit 390W / 24x PoE+ / 4x SFP / FANLESS / 19" / "ALL-SG8626PM"
186548	ALLNET PoE Injector Gigabit PoE & PoE+ (15,4W/30W) / plastic
175246	ALLNET Gigabit PoE Injector / PoE & PoE+ (15.4 W/30 W) / 2.5 Gbps / Metal Housing /



Part No.	Name
	"ALL0489v4"
99305	ALLNET / ALL95100 TP Cat 6 / PoE Surge arrester
194025	ALLNET Switch full managed 24 Port Gigabit 390W / 24x PoE+ / 4x SFP / FANLESS / 19" / "ALL-SG8626PM"
93392	ALLNET Switch unmanaged 8 port Gigabit 150W / 8x PoE+ / Fanless / 19" / "ALL8808POE"
223949	ALLNET Switch full managed Layer2+ 10 Port • 8x GbE • PoE Budget 130W • 8x PoE at • 2x SFP • 19" • Fanless • JSON API • ALL-SG8610PMJ
27947	ALLNET ALL4750 / Switch module SFP (mini Gbic), 1000Mbit, SX
59391	ALLNET ALL4753 / Switch module GBIC Mini module, 1000Mbit, L
59393	ALLNET ALL4755 / Switch module SFP (mini Gbic), 1000Mbit, ZX
114334	ALLNET Switch Modul ALL4752 SFP(mini Gbic), 1000Mbit, LHX/LC
140675	ALLNET Switch Module ALL4765 SFP(Mini-GBIC), 1000Mbit
140955	TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,
141255	Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 1m,Black IEC Lock
141254	Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 2m,Black IEC Lock
141256	Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 3m,Black IEC Lock
188424	CyberPower USV, OR-Serie, 600VA/360W, Line-Interactive, LCD, 19"/1HE, USB/RS232, IEC C13 Kaltgeräte,
188433	CyberPower USV, OR-Serie, 650VA/360W, Line-Interactive, LCD, 19"/1HE, USB/RS232, CEE7-Schutzkontakt,