

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

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EAN CODE



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

Highlights:

- 8-Port 10/100/1000Mbit/s mit voller PoE Unterstützung
- 2x SFP Slots für optionale MiniGBICS
- PoE Leistung 8x à 30 Watt (IEEE802.3at oder 8x IEEE802.3af)
- LÜFTERLOSES DESIGN mit internem Netzteil
- Jumbo Frames und IGMP Snooping Support
- Link Aggregation und Rapid Spanning Tree
- IEEE802.1q VLAN Tagging und 802.1p Priority Queues
- PoE-Budget 140 W

Der ALL-SG8310v2PM ist ein 8-Port 10/100/1000Mbit/s Switch mit PoE Support auf allen Ports, der perfekt für die Segmentierung größerer Netzwerke geeignet ist. Er ist eine hervorragende Wahl, um Ihr Netzwerk mit mehr Leistung und Effizienz zu versorgen.

IEEE 802.3af&at Power over Ethernet (PoE)

Der ALL-SG8310v2PM unterstützt auf 4 Ports Ports den PoE Standard IEEE 802.3at mit bis zu 30 Watt Leistung pro Port für die angeschlossenen PoE Endgeräte oder auf 8 Ports die volle Leistung nach IEEE802.3af mit bis zu 15,4W. Das maximale PoE Budget beträgt 140W. Dabei nutzt der ALL-SG8310v2PM die bestehende LAN-Verkabelung für die Spannungsversorgung. Dies erleichtert Installation von PoE-Endgeräten wie WLAN Access Point, IP Kameras, VoIP Telefonen und vieles mehr, da bei der Platzierung keinerlei Rücksicht auf Stromsteckdosen genommen werden muss. Die PoE ON/OFF Funktion erlaubt dem Administrator den



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komfortablen Reset der Endgeräte aus der Ferne, durch Abschalten der PoE-Spannungsversorgung für jeden einzelnen Port.

High-Speed Networking/Jumbo Frames Support

Der ALL-SG8310v2PM bietet eine hervorragende Lösung für die Erweiterung Ihres Gigabit-Netzwerks. Mit Gigabit-Geschwindigkeit bietet dieses Produkt eine hohe Flexibilität und eine hohe Bandbreite für die Konnektivität zu Servern, Workstations und anderen angeschlossenen Geräten. Darüber hinaus unterstützt es auch 9,6K Jumbo Frames zur besseren Netzauslastung, was die Übertragung großer Dateien stark verbessert.

Umfangreiche Verwaltungs-/Managementfunktionen

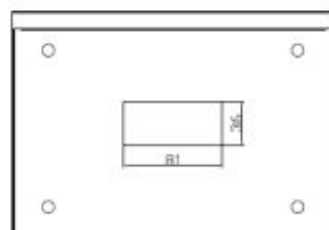
Moderne Anwendungen für Videoüberwachung mit IP Kameras und Voice over IP ersetzen zunehmend klassische analoge Technologien. Hierbei steigen auch die Anforderungen an die Netzwerk Infrastruktur. Der ALLNET ALL-SG8310v2PM ist mit vielen Verwaltungs- und Sicherheitsfunktionen für alle modernen Kommunikationsszenarien gerüstet. IGMP Snooping, Tagged VLAN, Quality of Service, Port Trunking, Flow Control, Storm Control, Link Aggregation, IEEE802.1x, SNMP v1/ v2c und Spanning Tree sind nur ein kleiner Auszug aus den umfangreichen Funktionsportfolio des ALL-SG8310v2PM. Mehr Details siehe Technische Details.

Technical Details:

Items

Model No.

Key Components



Specifications

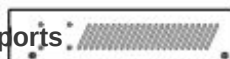
ALL-SG8310v2PM

RTL8382M

Flash IC:16MB

DDR: 1Gb

I/O ports



IP808AR PSE controller

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 power over number 1,2,3,6 pins of 8 wires of Ethernet CAT5 UTP cable	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																						
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																						
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	
		Packet View	
		Local Information	
		Neighbor	
		Statistics	
Multicast	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		

Merkmale

Merkmal	Wert
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
Gewicht:	2,62 Kg



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Merkmal	Wert
Garantie:	24.00 Monate

Zubehör

Art.-Nr.	Name
27947	ALLNET Switch Modul ALL4750 SFP(Mini-GBIC), 1000Mbit, SX/LC, Multimode,
59426	ALLNET Switch Modul ALL4751 SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km, Singlemode,
114334	ALLNET Switch Modul ALL4752 SFP(Mini-GBIC), 1000Mbit, LX/LC, 20Km, Singlemode,
59391	ALLNET Switch Modul ALL4753 SFP(Mini-GBIC), 1000Mbit, EX/LC, 40Km, Singlemode,
59393	ALLNET Switch Modul ALL4755 SFP(Mini-GBIC), 1000Mbit, ZX/LC, 80Km, Singlemode,
175246	ALLNET PoE Injektor Gigabit / PoE & PoE+ (15,4W/30W)/ 2.5Gbit/ Metallgehäuse / "ALL0489v4"
99315	ALLNET Switch unmanaged 8 Port Gigabit 63W / 4x PoE+ / 4x LAN / Lüfterlos /19" / "ALL8804PoE+"
223949	ALLNET Switch full managed Layer2+ 10 Port • 8x GbE • PoE Budget 130W • 8x PoE at • 2x SFP • 19" • Lüfterlos • 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 / Lüfterlos / 19" / "ALL-SG8626PM"
186548	ALLNET PoE Injektor Gigabit PoE & PoE+ (15,4W/30W) / Kunststoffgehäuse / "ALL0488v6"
175246	ALLNET PoE Injektor Gigabit / PoE & PoE+ (15,4W/30W)/ 2.5Gbit/ Metallgehäuse / "ALL0489v4"
99305	ALLNET TP Cat 6 Überspannungs-/Blitzschutz Surge Protector ALL95100 Indoor
194025	ALLNET Switch full managed 24 Port Gigabit 390W / 24x PoE+ / 4x SFP / Lüfterlos / 19" / "ALL-SG8626PM"
223949	ALLNET Switch full managed Layer2+ 10 Port • 8x GbE • PoE Budget 130W • 8x PoE at • 2x SFP • 19" • Lüfterlos • JSON API • ALL-SG8610PMJ
27947	ALLNET Switch Modul ALL4750 SFP(Mini-GBIC), 1000Mbit, SX/LC, Multimode,
59391	ALLNET Switch Modul ALL4753 SFP(Mini-GBIC), 1000Mbit, EX/LC, 40Km, Singlemode,
59393	ALLNET Switch Modul ALL4755 SFP(Mini-GBIC), 1000Mbit, ZX/LC, 80Km, Singlemode,
114334	ALLNET Switch Modul ALL4752 SFP(Mini-GBIC), 1000Mbit, LX/LC, 20Km, Singlemode,
140675	ALLNET Switch Modul ALL4765 SFP(Mini-GBIC), 1000Mbit, RJ45(TP),
140955	TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,



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Art.-Nr.	Name
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,