

ALLNET Switch smart managed Layer2 18 Port Gigabit

- 18x GbE • PoE Budget 240W • 16x PoE at • 2x SFP • 19" • Fanless • ALL-SG8418PM

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Highlights:

- 18 port Gigabit non-blocking switch architecture
- 16x PoE ports according to IEEE802.3af/at standard
- 2x 1GbE SFP ports for optional GBIC modules
- VLAN Port-Based / Tagged Based
- Link Aggregation (IEEE802.3ad LACP & Static Trunk)
- IGMP Snooping
- QoS (QoS>QoS multi-label, queue config, QoS mapping)
- Totally fanless, no more annoying noises... max. 240W budget
- 19" bracket included
- PoE budget 240W
- Supports Endspan POE = Endspan (1/2 and 3/6)

Discover the new ALLNET ALL-SG8418PM Switch – the ideal solution for small and medium-sized workgroups requiring fast and reliable network connectivity. With 16 backward-compatible Gigabit PoE ports, this switch

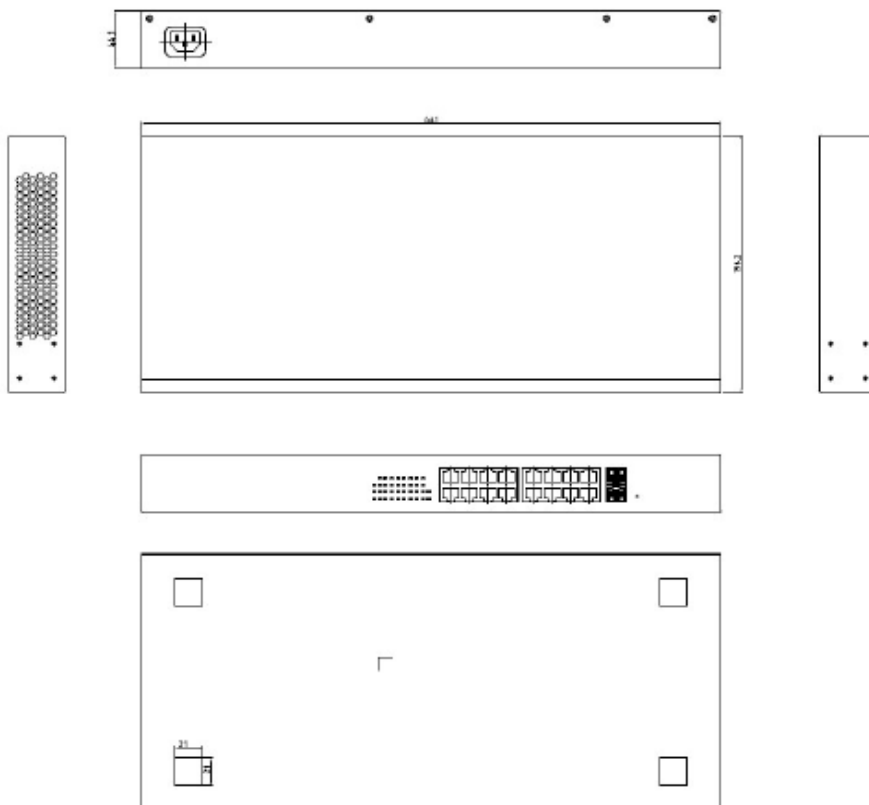
provides powerful connectivity for your PoE-enabled devices.

Thanks to its fanless design, the ALL-SG8418PM is perfect for office environments, generating no disruptive noise. It is smart-manageable and supports various standards such as QoS, VLAN, Storm-Control, and IGMP Snooping, ensuring the highest performance and security in your network.

The robust metal housing of the switch is suitable for both mounting in a 19-inch rack and wall mounting. Additionally, the ALL-SG8418PM features 2x SFP miniGBIC slots to connect remote servers or uplink devices via fiber optic cables.

Choose the ALLNET ALL-SG8418PM Switch and experience seamless network connectivity without compromising on performance and reliability.

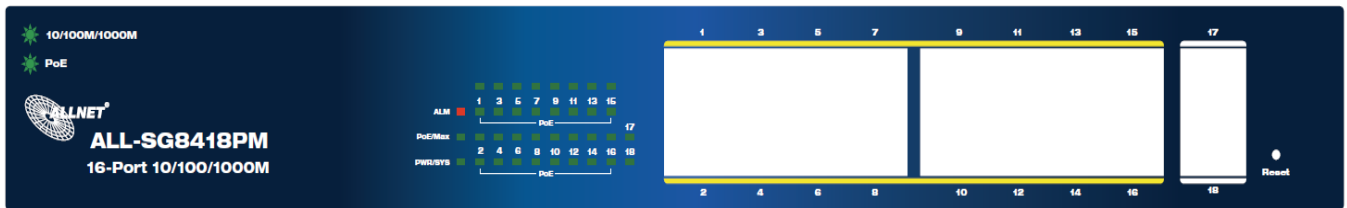
Mechanical Drawings:



Front-Panel:



Part No.: 210085
Vendor Part No.: ALL-SG8418PM



Technical Details:

Items	Specifications
Model No.	ALL-SG8418PM
Key Components	RTL8382M+RTL8218D IP808ARx2 PSE controller DDR:1Gb Flash IC:16MB
I/O ports	16x GbE ports, RJ45 2x SFP Giga Ports Reset Button: reset to default setting, re-start system
PoE ports	Port# 1~ 16 IEEE802.3at, IEEE802.3af
LED Define	PWR/SYS: Green LED • Off: power off or fail • On: power on ALM: Red LED • Off: Switch is normal condition • On: Alarm for system failure because of overheat, wrong voltage. PoE Max.: Green LED • Off: No over PoE max power Alert • On: Over PoE max power Alert Port LED Link/ACT: Green • Off: port disconnected or link fail • Green on: 10/100/1000Mbps connected • Blinking: sending or receiving data PoE: Green LED



	• Off: PoE power output off • Green on: PoE power output on SFP Port: ◦ 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 IEEE802.3x flow control & back pressure IEEE802.3z 1000Base SX/LX IEEE802.3az EEE IEEE802.3at, IEEE802.3af Switch Capacity: 36Gbps bi-direction Forwarding Mode: Store and Forward MAC address Table: 8K Packet buffer size: 4.1M bit Jumbo Frame: 9K bytes
Power Input	Internal power supply Input: 100-240V AC Output: 280W E-cap life time >3 years @ 40°
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 can be configured and 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> 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																						
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3	Optional	15.4W	6.49 to 12.95W																						
4	Optional	30W	12.95W to 25.5W																						
PoE Power Budget	240Watt																								
Reset button	Support reset to default configuration																								
Dimension	441mm(W)x190mm(D)x44mm(H)																								
FAN Design	N/A																								
Temperature	Operating: 0 ~ 40? Storage : -40 ~ 70?																								
Humidity	Operating: 10% ~ 90% RH (non-condensing) Storage: 5% ~ 90% RH (non-condensing)																								

Software Feature

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 /	Operation Mode :

		Path Cost / BPDU Handling	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	Management VLAN	
	Access	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

Attribute	Value
Anzahl Ports PoE/LAN:	16/0
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	19"
Management:	smart managed (WebGui)
PoE Budget:	<300 Watt
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP 1Gbit
SFP Port Anzahl:	2
Weight:	5.2 Kg
Warranty:	24.00 Months

Accessories

Part No.	Name
122504	ALLNET 19"Wand Winkel, 1HE, T54mm, Lichtgrau, SMW-Serie,
122514	ALLNET 19"Wand Winkel, 3HE, T142mm, Lichtgrau, SMW-Serie,
27947	ALLNET ALL4750 / Switch module SFP (mini Gbic), 1000Mbit, SX
128033	ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit MM
59426	ALLNET ALL4751 / Switch module, GBIC mini module, 1000Mbit,
128034	ALLNET Switch Module ALL4751-INDU SFP(Mini-GBIC), 1000Mbit,
114334	ALLNET Switch Modul ALL4752 SFP(mini Gbic), 1000Mbit, LHX/LC
166757	ALLNET Switch Modul ALL4752-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 20KM, Industrial, -40/+85 Grad,
59391	ALLNET ALL4753 / Switch module GBIC Mini module, 1000Mbit, L



Part No.: 210085
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Part No.	Name
59393	ALLNET ALL4755 / Switch module SFP (mini Gbic), 1000Mbit, ZX
143548	ALLNET Switch Module ALL4756 SFP(Mini-GBIC), 1000Mbit, ZX/LC
136828	ALLNET Switch Module ALL4761 SFP(Mini-GBIC), 1000Mbit
193149	ALLNET Switch Modul ALL4761-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km, Industrial -40/+85 Grad,
136829	ALLNET Switch Module ALL4762 SFP(Mini-GBIC), 1000Mbit
193150	ALLNET Switch Modul ALL4762-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km, Industrial -40/+85 Grad,
140675	ALLNET Switch Module ALL4765 SFP(Mini-GBIC), 1000Mbit
208404	ALLNET Switch Modul ALL4765-INDU SFP(Mini-GBIC), 1000Mbit, RJ45(TP), Industrial -40/+85 Grad,
208360	ALLNET Switch Modul ALL4767-INDU SFP+(Mini-GBIC), 10Gbit, RJ45(TP), Industrial -40/+85 Grad,
168085	ALLNET / ALL-LAN-ISO-4kV, Aislador Gigabit LAN/Bloqueador PoE 4kV
99305	ALLNET / ALL95100 TP Cat 6 / PoE Surge arrester
198028	ALLNET TP Cat 6 Überspannungs-/Blitzschutz Surge Protector A
115128	ALLNET / ALL95101 TP Cat 6 / ADSL / VDSL / ISDN Surge protec
201008	TP-TP coupling,CAT6A,female,1:1 ,8-pin,RJ45,magnetic fuse coupling 50pcs bulk set,drop socket,PoE capable,up to 10GBit - ALL-RJ45-Magnet-50pcsBulk
193972	ALLNET RJ45 Sicherungskupplung, Abwurfbuchse, PoE fähig, bis