Número de artículo: 215264
Número de fabricante: ALL-SG8454PM-10G

ALLNET Switch smart managed Layer2 54 Port • 48x 1 GbE • PoE Budget 800W • 48x PoE at • 6x SFP+ • 19" • ALL-SG8454PM-10G

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Highlights:

- 48 port Gigabit non-blocking switch architecture + 6 SFP+ Mini-GBIC slots = Total 52 ports
- Supports NWay protocol for speed (10/100/1000Mbps) and duplex mode (half/full) auto-detection
- Switch capacity up to 216Gbps
- 32K MAC address table
- 12K bytes jumbo frames
- 2x 480W power supply built in to provide max. 800W PoE power
- 4x smart fans installed

Discover the ALLNET Smart Managed 48-Port Gigabit Switch - your ultimate solution for network performance enhancement and PoE provisioning!

With the ALLNET ALL-SG8454PM-10G Switch, you'll reach new heights in network performance and management. This intelligent, managed Gigabit switch comes equipped with 48 ports for lightning-fast connections and features 6 SFP+ Mini-GBIC slots, providing you with a total of 52 versatile connectivity options.

Unmatched Speed and Flexibility:

Our switch architecture offers an impressive non-blocking Gigabit connection. With support for the NWay protocol, you can automatically detect speeds of 10/100/1000Mbps and the desired duplex mode (half or full duplex), allowing for effortless adaptation.

Impressive Capacity and Management:

This switch offers an astonishing capacity of up to 216Gbps, providing you with ample headroom for seamless data transfers and network activities. The integrated 32K MAC address table ensures your network runs smoothly, and support for 12K-byte jumbo frames further enhances efficiency.

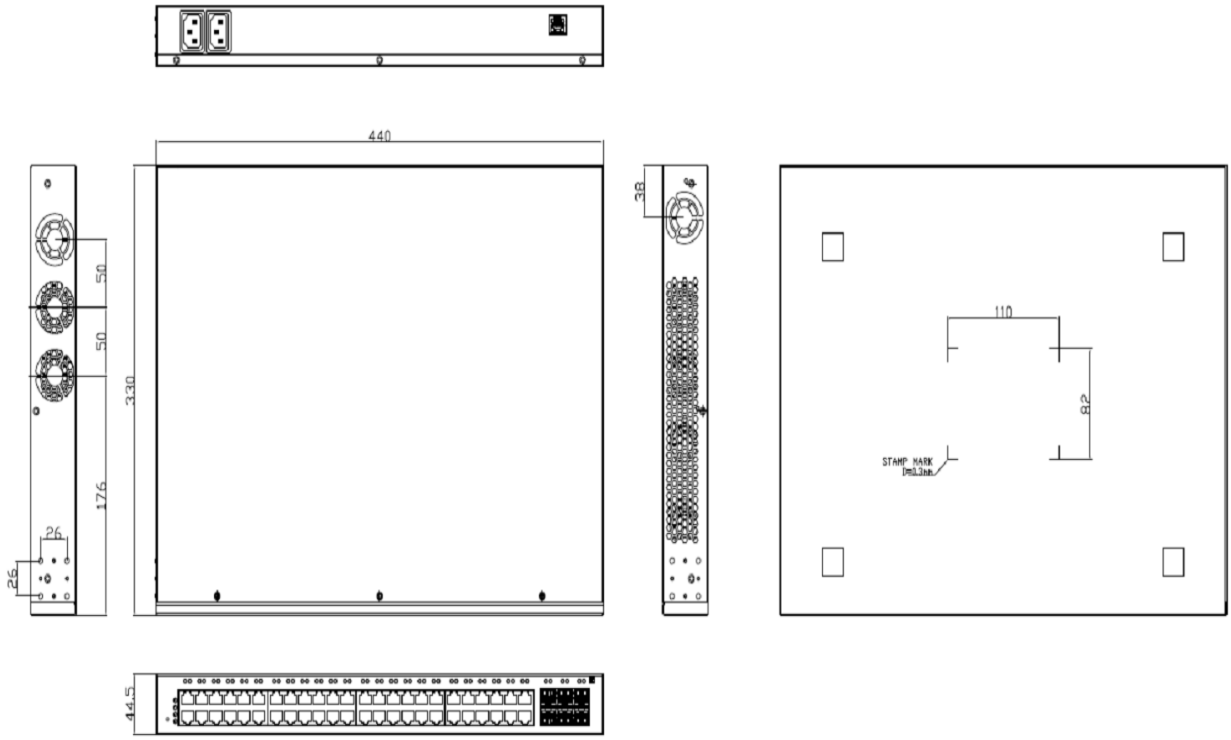
PoE Power and Cooling:

Thanks to the 2 built-in 480W power supplies, you can deliver up to 800W of PoE power to effortlessly support your PoE-enabled devices. Additionally, the switch features 4 smart fans that ensure optimal cooling, keeping your network reliable even under heavy loads.

The ALLNET ALL-SG8454PM-10G is the perfect choice to take your network to the next level. Maximum performance, intelligent management, and top-notch PoE provisioning make this switch the ideal selection for businesses valuing peak performance and flexibility.

Invest in the future of your network with the ALLNET Smart Managed 48-Port Gigabit Switch - your gateway to modern network technology!

Mechanical Drawings:



Technical Details:

Hardware Specs:

Items	Specifications
Model No.	ALL-SG8454PM-10G
Key Components	1. RTL9311+RTL8218Dx6 2. GD32E230G8U6TR + RTL8238Bx6 3. Flash IC: MXIC 32M Byte 4. DDR: 2G bits

I/O ports	48x GbE ports, RJ45 6 x 10G ports, SFP+ Reset Button: reset to default setting, re-start system Console port by RJ45 type
PoE ports	Port# 1~ 48 IEEE802.3at, IEEE802.3af
LED Define	PWR: Green LED • Off: power off or fail • On: power on SYS: Green LED • Off: power off or fail • On: system is ready • Blinking: system booting up Alert: 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 1-48 Port LED: Link/ACT: • Off: port disconnected or link fail • Green on: 1000Mbps connected • Amber on: 10/100Mbps connected • Blinking: sending or receiving data 49-52 port LED: SFP+: - Off: disconnected or fail - Blue: 10Gbps connected

	- Green: 1000Mbps connected - Blinking: data transmitting PoE: Green LED • Off: PoE power output off • Green on: PoE power output on Slide Switch: Swap Port LED & PoE LED display
HW feature	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3ae SFP+ IEEE802.3az EEE MAC address Table: 32K Packet buffer size: 16Mbit Jumbo Frame: 12K bytes 216Gbps switching capacity Forwarding rate: 129.3Mpps (64-byte package size)
Data Transfer Rate	Ethernet:10 Mbps (half duplex),20 Mbps (full duplex) Fast Ethernet:100 Mbps (half duplex),200 Mbps (full duplex) Giga Ethernet:2000 Mbps (full duplex) 10 Gigabit Ethernet:20 Gbps (full duplex)
System Monitor	HW Monitor IC: ADT7476 1. Voltage Monitor 1. Input Voltage: 12V (+/-7% Alarm Threshold) 2. I/O Voltage: 3.3V (+/- 5% Alarm Threshold) 3. DDR Voltage: 1.5V (+/- 5%

<table>
<tr><td></td><td>Alarm Threshold)
4. PHY Voltage: 1.1V (+/- 5% Alarm Threshold)
5. MAC Voltage:1.0V (+/- 5% Alarm Threshold)
2. Temperature Monitor
1. BOARD: 0~80°C
2. MAC: 0~85°C
3. PHY: 0~85°C</td></tr>
<tr><td>Power Input</td><td>Internal power supply

Input: 90~264VAC/47~63Hz, Two AC connector

Output: 480WX2</td></tr>
<tr><td>PoE Power Budget</td><td>800W</td></tr>
<tr><td>PoE power pin-out</td><td>Alternative A (Pin 1,2/3,6)</td></tr>
<tr><td>PoE Output power capacity</td><td>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</td></tr>
</table>

	1,2,3,6 pins of 8 wires of Ethernet CAT5 UTP cable
Reset button	Support reset to default configuration
Dimension	441(W) x 330(D) x 45(H) mm
FAN Design	Fan*4 (Smart Fan)
Temperature	Operating: 0 ~ 50? Storage : -40 ~ 70?
Humidity	Operating: 10% ~ 90% RH (non-condensing) Storage: 5% ~ 90% RH (non-condensing)

Software Specs:

Status	System Information		
	Logging Message		
	Port	Statistics	
		Error Disabled	
		Bandwidth Utilization	
	Link Aggregation		
	MAC Address Table	16K	
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	12K 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	
		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		

Atributos

Atributo	Valor
Anzahl Ports PoE/LAN:	48/0
Belüftung Switch:	Mit Lüfter
Einsatzort Switch:	19"
LAN Geschwindigkeit:	1Gbit/s
Management:	smart managed (WebGui)
PoE Budget:	<1000 Watt
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP+ 10GBit;
Peso:	6 Kg
Garantía:	24.00 Meses

Accesorios

Número de artículo	Denominación
101189	ALLNET ALL4757 / Switch module SFP+ (mini Gbic), 10Gbit, SR/
101190	ALLNET ALL4758 - Módulo mini-Gbic 10Gbit LR/LC
128848	ALLNET Switch Module ALL4760 SFP+(Mini-GBIC), 10Gbit
132994	ALLNET Switch Modul, DAC(direkt Kabel), SFP+/SFP+, 10Gbit, 0,5m,
132996	ALLNET Switch Modul, DAC(direkt Kabel), SFP+/SFP+, 10Gbit, 1m,
132997	ALLNET Switch Modul, DAC(direkt Kabel), SFP+/SFP+, 10Gbit, 3m,
132998	ALLNET Switch Modul, DAC(direkt Kabel), SFP+/SFP+, 10Gbit, 5m,
132999	ALLNET Switch Modul, DAC(direkt Kabel), SFP+/SFP+, 10Gbit, 7m,
139776	ALLNET Switch Module ALL4763 SFP+(Mini-GBIC), 10Gbit
139777	ALLNET Switch Module ALL4764 SFP+(Mini-GBIC), 10Gbit
146282	ALLNET Switch Module ALL4767 SFP+(Mini-GBIC), 10Gbit
149613	ALLNET Switch Module ALL4757-INDU SFP+(Mini-GBIC), 10Gbit
149616	ALLNET Switch Module ALL4758-INDU SFP+(Mini-GBIC), 10Gbit
158461	ALLNET Switch Modul, DAC(direkt Kabel), SFP+/SFP+, 10Gbit, 2m,
191685	ALLNET 4768 Mini-GBIC 10Gbit LR/LC hasta 40Km
191686	ALLNET 4769 Mini-GBIC 10Gbit LR/LC hasta 80Km
208360	ALLNET Switch Modul ALL4767-INDU SFP+(Mini-GBIC), 10Gbit, RJ45(TP), uncodiert, Industrial -40/+85 Grad,