ALLNET Switch smart managed Layer2 12 Port • 12x 12 SFP+ 10GbE • 19" • ALL-SG9312M-10G • Core-Switch • Redundant Power Option

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ALLNET Switch smart managed 12 Port 10Gigabit / 12x SFP+ / "ALL-SG9312M-10G" Core Switch

Highlights:

- Support 12*10G SFP+ ports Core-Switch
- Support Web UI for configuration
- Support Console port with CLI command
- Support HW monitor Alarm
- Redundant 12VDC Power-INPUT

This switch is 12-port 10G SFP+ L2 Switch. The switch provides exceptionally smart Web management features, such as VLAN, QoS, RSTP, IGMP Snooping, LACP, IEEE802.1X, Strom Control…etc. The switch is standard 19” rack-mount design to fit into the rack environment. With these features, the switch is a superb choice for medium or large network environment to strengthen its network connection and efficiency.

Technical Details:

Hardware Specs

Model No.	**ALL-SG9312M-10G**
Key Components	1. RTL9313

	1. Flash IC: MXIC 32MB (up to 64MB, optional) 2. DDR: 2Gb (up to 4Gb, optional)
I/O ports	12 x 10G SFP+ ports Reset Button: reset to default setting, re-start system Console port by RJ45 type
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. 1-12 Port LED: (SFP+) Link/ACT: • Off: port disconnected or link fail • Green on: 10G bps connected • Amber on: 1000Mbps connected • Blinking: sending or receiving data
HW feature	IEEE802.3az EEE IEEE802.3ah 10GBase-T MAC address Table: 32K Packet buffer size: 16Mbit Jumbo Frame: 12K bytes
System Monitor	HW Monitor IC: ADT7463 **Voltage Monitor** • Input Voltage: 12V (+/-7% Alarm Threshold) • I/O Voltage: 3.3V (+/- 5% Alarm Threshold) • DDR Voltage: 1.5V (+/- 5% Alarm Threshold) • PHYVoltage: 1.1V (+/- 5% Alarm Threshold) • MACVoltage:1.0V (+/- 5% Alarm Threshold) **Temperature Monitor** • BOARD: 0~80°C • MAC: 0~85°C • PHY: 0~85°C
Power Input	Internal power supply Input: 90~264VAC/47~63Hz Output: 12V/3A (TBD)
Reset button	Support reset to default configuration

Dimension	441(W) x 131(D) x 44(H) mm
FAN Design	Fan-less
Temperature	Operating: 0 ~ 50°C Storage : -40 ~ 70°C
Humidity	Operating: 10% ~ 90% RH (non-condensing) Storage: 5% ~ 90% RH (non-condensing)

Hardware 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	
VLAN **VLAN** **MAC Address Table**	VLAN	Create VLAN	

Spanning Tree	Priority Setting	VLAN Configuration	
	Power Limit	Membership	
	Power Show	Port Setting	
	Voice VLAN Protocol VLAN	Property	
		Voice OUI	
		Protocol Group	
		Group Binding	
	MAC VLAN	MAC Group	
		Group Binding	
	Surveillance VLAN	Property	
		Surveillance OUI	
	GVRP	Property	
	Surveillance VLAN Dynamic Address	Membership	
		Statistics	
		Aging Time	
	Static Address Filtering Address Property	State / Operation Mode / Path Cost / BPDU Handlin	Operation Mode : STP/RSTP/MSTP
MAC Address Table	Port Setting		
	MST Instance		
	MST Port Setting		
Spanning Tree Discovery	Statistics		
	LLDP	Property	
	MST Instance	Port Setting	
	MST Port Setting	MED Network Policy	
	Statistics	MED Port Setting	
Discovery Multicast	LLDP	Packet View	
	General	Local Information	
Multicast Security		Neighbor	
	General	Statistics	
Security ACL	IGMP Snooping MLD Snooping	Property	Unknown Multicast Action / Multicast Forward Method
		Group Address	
	IGMP Snooping MVR	Router Port	
	MLD Snooping RADIUS	Forward All Table	
		Throttling	

		Filtering Profile	
		Filtering Binding	
		Property	State / Version / Report Suppression
		Querier	
		Statistics	
		Property	State / Version / Report Suppression
		Statistics	
		Property	State / VLAN / Mode / Group Start / Group Count / Query Time
		Port Setting	
		Group Address	
	TACACS+ AAA		
		Method List	
		Login Authentication	Console / Telnet / SSH / HTTP / HTTPS
	Management Access TACACS+ AAA	Management VLAN	
		Management Service	Telnet / SSH / HTTP / HTTPS / SNMP / Session Timeout
		Management ACL	
		Management ACE	
	Authentication Manager	Property	
		Port Setting	
ACL **QoS**	Port Security	Sessions	
	Protected Port Storm Control DoS		
			State / Broadcast / Unknown Multicast / Unknown Unicast / Action (Drop / Shutdown)
		Property	
	Port Security	Port Setting	
	Dynamic ARP Inspection	Property	

	Storm Control	Statistics	
	DHCP Snooping	Property	
	Dynamic ARP Inspection	Statistics	
		Option82 Property	
		Option82 Circuit ID	
	IP Source Guard MAC ACL	Port Setting	
		IMPV Binding	
		Save Database	
	MAC ACE IPv4 ACL IPv4 ACE		
	IPv6 ACL		
	IPv6 ACE		
	ACL Binding		
	General	Property	CoS / DSCP / CoS-DSCP / IP Precedence
	IPv6 ACL	Queue Scheduling	Strict Priority / WRR
	IPv6 ACE	CoS Mapping	
	ACL Binding	DSCP Mapping	
QoS Diagnostics **Diagnostics Management**	General Rate Limit Logging	IP Precedence Mapping	
		Ingress / Egress Port	
		Egress Queue	
		Property	Console / RAM / Flash
		Remote Server	
	Mirroring Ping		
	Traceroute Copper Test		
	Fiber Module		
	UDLD	Property	Message Time
	Traceroute	Neighbor	
	User Account		
	Firmware UDLD	Upgrade / Backup	Action (Upgrade / Backup) / Method (TFTP / HTTP)

	Configuration	Active Image	Active Image / Backup Image
		Upgrade / Backup	Action (Upgrade / Backup) / Method (TFTP / HTTP)
Management	User Account	Save Configuration	Source File / Destination File, Restore Factory Default
RMON	SNMP	View	
		Group	
	Configuration	Community	
		User	
	SNMP Statistics History Event Alarm	Engine ID	
		Trap Event	Authentication Failure / Link UP_Down / Cold Start / Warm Start
		Notification	
MARKS	**Safety**	LVD EN62368:2014	
	EMC	FCC Part 15, Subpart B: ANSI C63.4-2014	class A

Atributos

Atributo	Valor
Anzahl Ports PoE/LAN:	0/12
Belüftung Switch:	Mit Lüfter
Einsatzort Switch:	19";
Extra Features:	12VDC Redundant Power Input
LAN Geschwindigkeit:	10GBit/s;
Management:	smart managed (WebGui)
SFP Geschwindigkeit:	SFP+ 10GBit
SFP Port Anzahl:	12x SFP+
Peso:	4 Kg
Garantía:	24.00 Meses

Accesorios

Número de artículo	Denominación
27947	ALLNET ALL4750 Módulo Mini-GBIC 1000Mbit, SX/LC
128033	ALLNET Módulo de conmutación ALL4750-INDU SFP(M-GBIC) 1G MM
59426	ALLNET ALL4751 Módulo Mini-GBIC 1x 1000Mbit, LX/LC
128034	ALLNET Módulo de conmutación ALL4751-INDU SFP(m-GBIC), 1G SM
114334	ALLNET Switch Modul ALL4752 SFP(mini Gbic), 1000Mbit, LHX/LC
166757	ALLNET Switch Modul ALL4752-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 20Km, Singlemode, Industrial, -40/+85 Grad,
59391	ALLNET ALL4753 Módulo Mini-GBIC 1x 1000Mbit EX/LC
59393	ALLNET ALL4755 Módulo Mini-GBIC 1x 1000Mbit, ZX/LC
143548	ALLNET Switch Module ALL4756 SFP(Mini-GBIC), 1000Mbit, ZX/LC
101189	ALLNET ALL4757 / Switch module SFP+ (mini Gbic), 10Gbit, SR/
149613	ALLNET Switch Module ALL4757-INDU SFP+(Mini-GBIC), 10Gbit
101190	ALLNET ALL4758 - Módulo mini-Gbic 10Gbit LR/LC
149616	ALLNET Switch Module ALL4758-INDU SFP+(Mini-GBIC), 10Gbit
128848	ALLNET Switch Module ALL4760 SFP+(Mini-GBIC), 10Gbit
136828	ALLNET Switch Module ALL4761 SFP(Mini-GBIC), 1000Mbit
193149	ALLNET Mini-Gbic 4761-INDU SFP 1000Mbit
136829	ALLNET Switch Module ALL4762 SFP(Mini-GBIC), 1000Mbit
193150	ALLNET Mini-GBIC 4762-INDU SFP 1000Mbit
139776	ALLNET Switch Module ALL4763 SFP+(Mini-GBIC), 10Gbit
139777	ALLNET Switch Module ALL4764 SFP+(Mini-GBIC), 10Gbit
140675	ALLNET Switch Module ALL4765 SFP(Mini-GBIC), 1000Mbit
146282	ALLNET Switch Module ALL4767 SFP+(Mini-GBIC), 10Gbit
208360	ALLNET Switch Modul ALL4767-INDU SFP+(Mini-GBIC), 10Gbit, RJ45(TP), Industrial -40/+85 Grad,
191685	ALLNET 4768 Mini-GBIC 10Gbit LR/LC hasta 40Km
191686	ALLNET 4769 Mini-GBIC 10Gbit LR/LC hasta 80Km
194705	ALLNET 4794 Mini-GBIC 100Mbit, FX/LC, 10Km
194706	ALLNET 4794-INDU Mini-GBIC 100Mbit, FX/LC, 10Km
141255	Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 1m,Black IEC

Número de artículo	Denominación
	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
139521	Mean Well EDR-75-12 Fuente de alimentación 12V/75W
154971	Mean Well SDR-120-12 Alimentación 12V/120W
180900	Mean Well LRS-150F-12 Alimentación 12V/150W
166210	Mean Well HDR-150-12 Alimentación 12V/150W
208404	ALLNET Switch Modul ALL4765-INDU SFP(Mini-GBIC), 1000Mbit, RJ45(TP), Industrial -40/+85 Grad,

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Salvo errores y omisiones.