Art.-Nr.: 206883
Herst.-Nr.: ALL-SG9312M-10G

ALLNET Switch smart managed Layer2 12 Port • 12x 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

Dieser Switch ist ein 12-Port 10G SFP+ L2 Switch. Der Switch bietet außergewöhnlich intelligente Web-Management-Funktionen, wie VLAN, QoS, RSTP, IGMP Snooping, LACP, IEEE802.1X, Strom Control...etc. Der Switch ist standardmäßig in einem 19"-Rack untergebracht, um in eine Rack-Umgebung zu passen. Mit diesen Funktionen ist der Switch eine hervorragende Wahl für mittlere oder große Netzwerkumgebungen, um die Netzwerkverbindung und Effizienz zu stärken. Durch den optionalen Redundanten 12VDC Strom-Eingang kann der Switch auch über ein optionales externes Netzteil betrieben werden, wenn das Hauptnetzteil kein Strom liefert.

Technical Details:

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
		CE EN55032: 2015+AC:2016 EN55035: 2017	

Merkmale

Merkmal	Wert
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+
Gewicht:	4 Kg

Merkmal	Wert
Garantie:	24.00 Monate

Zubehör

Art.-Nr.	Name
27947	ALLNET Switch Modul ALL4750 SFP(Mini-GBIC), 1000Mbit, SX/LC, Multimode,
128033	ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit, SX/LC, Multimode, Industrial -40/+85 Grad,
59426	ALLNET Switch Modul ALL4751 SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km, Singlemode,
128034	ALLNET Switch Modul ALL4751-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km, Singlemode, Industrial, -40/+85 Grad,
114334	ALLNET Switch Modul ALL4752 SFP(Mini-GBIC), 1000Mbit, LX/LC, 20Km, Singlemode,
166757	ALLNET Switch Modul ALL4752-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 20Km, Singlemode, Industrial, -40/+85 Grad,
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,
143548	ALLNET Switch Modul ALL4756 SFP(Mini-GBIC), 1000Mbit, EZX/LC,120Km, Singlemode,
101189	ALLNET Switch Modul ALL4757 SFP+(Mini-GBIC), 10Gbit, SR/LC, Multimode,
149613	ALLNET Switch Modul ALL4757-INDU SFP+(Mini-GBIC), 10Gbit, SR/LC, Multimode, Industrial -40/+85 Grad,
101190	ALLNET Switch Modul ALL4758 SFP+(Mini-GBIC), 10Gbit, LR/LC, bis 20Km, Singlemode,
149616	ALLNET Switch Modul ALL4758-INDU SFP+(Mini-GBIC), 10Gbit, LR/LC, Singlemode, Industrial -40 -+85Grad, DDM, bis 20Km
128848	ALLNET Switch Modul ALL4760 SFP+(Mini-GBIC), 10Gbit, bis 220m, Multimode, LRM/LC, *nur für Multimode 50/125u Kabel OM1-4*
136828	ALLNET Switch Modul ALL4761 SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km, Singlemode,
193149	ALLNET Switch Modul ALL4761-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km, Singlemode, Industrial -40/+85 Grad,
136829	ALLNET Switch Modul ALL4762 SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km, Singlemode,
193150	ALLNET Switch Modul ALL4762-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km, Singlemode, Industrial -40/+85 Grad,
139776	ALLNET Switch Modul ALL4763 SFP+(Mini-GBIC), 10Gbit, B(Bidi)A/LC, Tx1270nm/Rx1330nm, 9u, 20Km, Singlemode,

Art.-Nr.	Name
139777	ALLNET Switch Modul ALL4764 SFP+(Mini-GBIC), 10Gbit, B(Bidi)B/LC, Tx1330nm/Rx1270nm, 9u, 20Km, Singlemode,
140675	ALLNET Switch Modul ALL4765 SFP(Mini-GBIC), 1000Mbit, RJ45(TP),
146282	ALLNET Switch Modul ALL4767 SFP+(Mini-GBIC), 10Gbit, RJ45(TP),
208360	ALLNET Switch Modul ALL4767-INDU SFP+(Mini-GBIC), 10Gbit, RJ45(TP), Industrial -40/+85 Grad,
191685	ALLNET Switch Modul ALL4768 SFP+(Mini-GBIC), 10Gbit, ER/LC, bis 40Km, Singlemode,
191686	ALLNET Switch Modul ALL4769 SFP+(Mini-GBIC), 10Gbit, ZR/LC, bis 80Km, Singlemode,
194705	ALLNET Switch Modul ALL4794 SFP(Mini-GBIC), 100Mbit, FX/LC, 10Km, Singlemode,
194706	ALLNET Switch Modul ALL4794-INDU SFP(Mini-GBIC), 100Mbit, FX/LC, 10Km, Singlemode, Industrial -40/+85 Grad,
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
139521	Synergy 21 Netzteil - 12V 75W Mean Well Hutschiene / EDR-Serie
154971	Synergy 21 Netzteil - 12V 120W Mean Well Hutschiene / SDR-Serie
180900	Synergy 21 Netzteil - 12V 150W Mean Well F Weitbereichseingang / LRS-Serie
166210	Synergy 21 Netzteil - 12V 150W Mean Well Hutschiene
208404	ALLNET Switch Modul ALL4765-INDU SFP(Mini-GBIC), 1000Mbit, RJ45(TP), Industrial -40/+85 Grad,