

ALLNET Switch industrial smart managed Layer2+ 16 Port GbE • PoE Budget 360W • 12x PoE+ • 4x SFP • Lüfterlos • DIN • ALL-SGI8016PM

EAN CODE



Highlights:

- 12x10/100/1000M PoE-Downlink-Ports, 4x1000M SFP-Ports
- Unterstützt PoE-Leistung von bis zu 30W/Port
- Unterstützt L3-Management, wie OSPF, RIP, QoS, VLAN, MSTP, Multi-Broadcast, Ports-Management und PoE-Management
- 6KV Überspannungsschutz, 8KV Kontakt /15KV Luft ESD-Schutz
- Erweiterter Temperaturbereich -40°C ~+75°C

Der ALLNET ALL-SGI8016PM ist ein professioneller und dennoch erschwinglicher industrieller L3 PoE-Switch mit 16 Gigabit-Ports, der bis zu 12*10/100/1000M PoE-Downlink-Ports und 4* 1000M SFP-Ports unterstützt. Die 12*10/100/1000M Ports unterstützen PoE+ und entsprechen dem IEEE 802.3af/at Standard, die PoE-Leistung pro Port beträgt bis zu 30W.

Er unterstützt ein L3-Management wie OSPF, RIP, QoS, VLAN, MSTP, Multi-Broadcast, Port-Management und PoE-Management und verfügt über 6KV Überspannungsschutz, 8KV Kontakt/ 15KV Luft ESD-Schutz. Die Wand-, Tisch- und Hutschieneninstallation ist zuverlässig und robust und kann in Sicherheitsnetzwerken, bei der Videoüberwachung, in der Netzwerktechnik und bei anderen Gelegenheiten eingesetzt werden.

Technical Details:

Parameter	Specifications
CPU Chipset	BCM53344
PoE PSE Chipset	IC+ 808



Power supply	Powered by power adaptor
Range of voltage	2*DC 48~57V, redundancy power supply
Consumption	Self consumption<20W
Downlink ports	10/100/1000Base-T 30W PoE RJ45(IEEE 802.3af/at)
Uplink ports	Ports 13~16 1000M SFP slots
Cable and distance	Use cat5e/6,100m max
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	32Gbps
Through put	23.8Mpps
Buffer	4M
MAC address table	16K
Indicator	Power: 2 *red ; Uplink 13~16: green LEDs indicate Link/Act Downlink 1~12: On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 8KV: contact/15KV: air, standard:IEC61000-4-2
Working temperature	-40°C~+75°C
Storage temperature	-40°C~+85°C
Humidity	0~95%(No condensation)
Dimension(L×W×H)	165 mm×114 mm×46mm
Material	Metal
Colour	Black
Net-weight	530g
L2 Features Port configuration	Auto-negotiation
	Flow Control
	Port Mirror
L2 Features Link Aggregation	Traffic statistics
	Static link aggregation
	LACP
	Algorithm based on Source/Destination MAC
	Algorithm based on Source/Destination IP
	8 groups
L2 Features MAC Table	8 ports per group
	Aging Time

	Static MAC address
	Dynamic MAC address management
L2 Features VLAN	4K Active VLANs
	4K VID
	802.1Q Tag VLAN
	Port VLAN
	Protocol VLAN
	MAC VLAN
	Management VLAN
	Voice VLAN
	Q-in-Q
	Private VLAN
	GARP/GVRP
L2 Features ACL	64 ACLs
	L2, L3 e L4
	Time-based ACL
L2 Features Spanning tree	802.1D Spanning Tree Protocol (STP)
	802.1w Rapid Spanning Tree Protocol (RSTP)
	802.1s Multiple Spanning Tree Protocol (MSTP)
	Loop Guard
	Root Guard
	TC-BPDU Guard
	BPDU Guard
	BPDU Filter
L2 Features Multicast	256 groups
	IGMP v1/v2/v3
	Fast Leave
	Multicast VLAN
	Static Multicast
	Multicast Filter
	IGMP Statistics
	MLD Snooping
L2 Features PoE management	Support total power consumption control
	Support single port PoE ON/OFF
	Support port output priority
L2 Features QOS	4 priority queues



	CoS port-based
	CoS 802.1p-based
	CoS DSCP-based
	Scheduling algorithms SP, WRR, SP+WRR
	Storm Control (Broadcast, Multicast, Unknown Unicast)
	Bandwidth control per port
Security Features	Port Security
	MAC address filter
	ARP Association (Manual, ARP scanning, DHCP snooping) up to 200 entries
	ARP Protection
	DoS (Denial of Service)
	Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type
	802.1x Autentication (port-based e MAC-based)
	TACACS/TACACS+ Autentication
	RADIUS Autentication
	DHCP Filter
	Guest VLAN
	SSLv2/SSLv3/TLSv1
	SSHv1/SSHv2
	Restriction of WEB access based on: IP Address, And. MAC and Port
	Port Isolation
	Local User Name Password Authentication (2 levels)
	Loopback detection
Management	SNMP v1/v2c/v3
	RMON 4 grupos
	WEB (HTTP/HTTPS)
	CLI (Telnet, Console, SSHv1/v2)
	Firmware upgrade via console/web/TFTP
	Configuration Backup/Reload
	All possible configurations in the CLI must exist in the WEB interface
	LLDP
Other Features	DHCP Relay
	DHCP Client

	DHCP Snooping
	DHCP Option 82
	SNTP Client
	BOOTP Client
Maintenance	Ping and Tracert
	System log (Local and Remote)
	Memory and CPU Monitoring
L3 Features	Static Routing
	OSPFv2
	RIPv1/v2
	DHCP Server
IPV6	IPv6 neighbor discovery (ND)
	Path maximum transmission unit (MTU) discovery
	Internet Control Message Protocol (ICMP) version 6
	TCPv6/UDPv6
	Ping6
	Tracert6
	Telnet(v6)
	Http/Https
	IPv6 TFTP
	Static Routing
	Interface IPV6

Merkmale

Merkmal	Wert
Anzahl Ports PoE/LAN:	12/0
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	Industrial DIN
Extra Features:	IP40
LAN Geschwindigkeit:	1Gbit/s
Management:	full managed
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP 1GBit

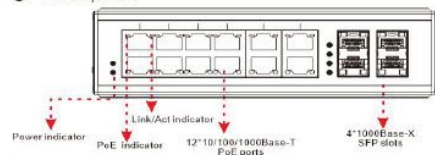
Merkmal	Wert
Gewicht:	0.42 Kg
Garantie:	24.00 Monate

Weitere Bilder



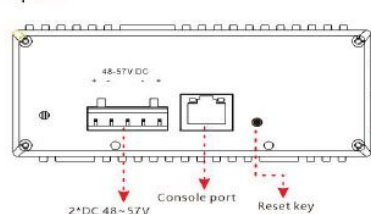
❖ Panel diagram

● Front panel

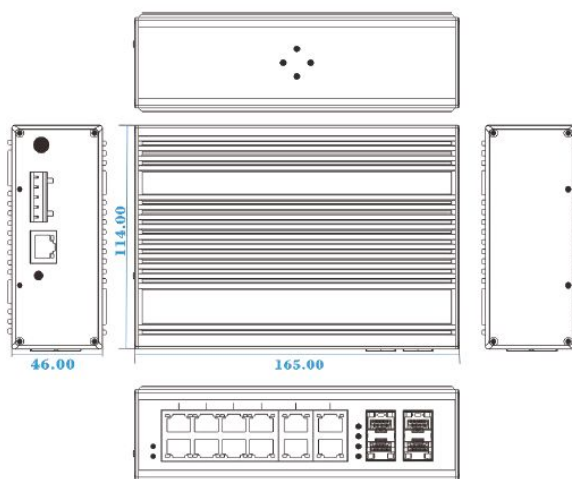


Attention 1: This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

● Left panel



❖ Dimensions



Zubehör

Art.-Nr.	Name
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200364	ALLNET 19"zbh. Gerätehalter für Hutschiene/DIN-Rail Geräte, T150mm/5HE, Lichtgrau, Frontmontage,
219493	ALLNET DIN-RAIL Wandgehäuse, T220mm, Lichtgrau, IP66, ÜS, 16x M25 ALL-DIN-101-AC
219373	ALLNET DIN-RAIL Wandgehäuse, T223mm, Lichtgrau, IP55, SO-DIN-Serie,
219572	ALLNET DIN-RAIL Wandgehäuse/Outdoor PoE Smart-Managed Switch T220mm, Lichtgrau, IP66, ÜS, ALL-DIN-SGI8012PM
144991	ALLNET PoE Extender Repeater Outdoor IP67 IEEE802.3AT IN - AF Out, ALL-PR2012P-E
128033	ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit, SX/LC, Multimode, Industrial -40/+85 Grad,
128034	ALLNET Switch Modul ALL4751-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km, Singlemode, Industrial, -40/+85 Grad,
166757	ALLNET Switch Modul ALL4752-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 20Km, Singlemode, Industrial, -40/+85 Grad,
193149	ALLNET Switch Modul ALL4761-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km, Singlemode, Industrial -40/+85 Grad,
193150	ALLNET Switch Modul ALL4762-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km, Singlemode, Industrial -40/+85 Grad,
208404	ALLNET Switch Modul ALL4765-INDU SFP(Mini-GBIC), 1000Mbit, RJ45(TP), Industrial -40/+85 Grad,
99305	ALLNET TP Cat 6 Überspannungs-/Blitzschutz Surge Protector ALL95100 Indoor
198028	ALLNET TP Cat 6 Überspannungs-/Blitzschutz Surge Protector ALL95102O IP66 Outdoor
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,
90560	Synergy 21 LED zub Schraubklemme KEFA (Phoenix® kompatibel) Stecker 5 F
140522	Synergy 21 Netzteil - 48V 120W Mean Well Hutschiene, schmal / SDR-Serie
131244	Synergy 21 Netzteil - 48V 240W Mean Well Hutschiene / SDR-Serie
146994	Synergy 21 Netzteil - 48V 480W Mean Well Hutschiene / SDR-Serie
174789	Synergy 21 Netzteil - 48V 480W Mean Well Hutschiene parallel Funktion / SDR-Serie
146996	Synergy 21 Netzteil - 48V 960W Mean Well Hutschiene / SDR-Serie
140955	TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,
252985	ALLNET DIN-RAIL Wandgehäuse, T223mm, Schwarz, IP55, SO-DIN-Serie,