

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

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### EAN CODE



## ALLNET Switch ALL-SGI8016PM managed L2+/L3 industriel 12 Port Gigabit / 12x PoE / 4x SFP / sans ventilateur / DIN / IP40

### Points forts :

- Avec 12\*10/100/1000M de ports PoE en liaison descendante, 4\*1000M de ports SFP ;
- Supporte une puissance PoE allant jusqu'à 30W chacun ;
- Prise en charge de la gestion L3, telle que OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, gestion des ports et gestion PoE ;
- Protection contre les surtensions de 6KV, contact de 8KV / protection ESD aérienne de 15KV ;
- Supporte une température de fonctionnement de -40°C ~+75°C.

ALLNET ALL-SGI8016PM est un commutateur PoE L3 industriel professionnel mais abordable, avec 16 ports Gigabit, supportant jusqu'à 12\*10/100/1000M ports PoE descendants et 4\* 1000M ports SFP. Les 12\*10/100/1000M ports prennent en charge le PoE+ et sont conformes à la norme IEEE 802.3af/at, la puissance PoE par port pouvant atteindre 30W.

Il prend en charge la gestion L3 telle que OSPF, RIP, QoS, VLAN, MSTP, multidiffusion, gestion des ports et gestion PoE, et prend en charge la protection contre les surtensions 6KV, la protection ESD 8KV contact/15KV air. L'installation murale, de bureau et sur rail din est fiable et durable, et peut être utilisée pour la vidéosurveillance sur réseau de sécurité, l'ingénierie réseau et d'autres occasions.

### Technical Details:

Parameter	Specifications
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
Though 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(LxWxH)	165 mmx114 mmx46mm
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
	8 ports per group



L2 Features MAC Table	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



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	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

## Attributs

Attribut	Valeur
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

Attribut	Valeur
SFP Geschwindigkeit:	SFP 1GBit
Poids:	0.42 Kg
Garantie:	24.00 Mois

## Accessoires

No. d'article	Désignation
200364	ALLNET 19"zbh. Gerätehalter für Hutschiene/DIN-Rail Geräte, T150mm/5HE, Lichtgrau, Frontmontage,
219493	ALLNET DIN-RAIL wall mount enclosure, T220mm, light gray, IP66, SP, 16x M25 ALL-DIN-101-AC
219373	ALLNET DIN-RAIL Wandgehäuse, T223mm, Lichtgrau, IP55, SO-DIN-Serie,
219572	ALLNET DIN-RAIL Wallmount/PoE Smart-Managed Switch T220mm, Light Gray, IP66, SP, ALL-DIN-SGI8012PM
144991	ALLNET ALL-PR2012P-E / PoE Outdoor IP68 Repeater AT - AT
189128	ALLNET PoE 2x Extender Repeater Outdoor Switch IP67
128033	ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit MM
128034	ALLNET Module de commutation ALL4751-INDU SFP(M-GBIC), 1G SM
166757	ALLNET Switch Modul ALL4752-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 20KM, Industrial, -40/+85 Grad,
193149	ALLNET Switch Modul ALL4761-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km, Industrial -40/+85 Grad,
193150	ALLNET Switch Modul ALL4762-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km, Industrial -40/+85 Grad,
208404	ALLNET Switch Modul ALL4765-INDU SFP(Mini-GBIC), 1000Mbit, RJ45(TP), Industrial -40/+85 Grad,
99305	ALLNET ALL95100 / TP Cat 6 Gigabit surge arrester
198028	ALLNET TP Cat 6 Überspannungs-/Blitzschutz Surge Protector A
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,
188435	CyberPower USV, OR-Serie, 1000VA/600W, Line-Interactive, LCD, 19"/1HE, USB/RS232, IEC C13 Kaltgeräte



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188439	CyberPower USV, OR-Serie, 1500VA/900W, Line-Interactive, LCD, 19"/1HE, USB/RS232, IEC C13 Kaltgeräte
90560	Synergy 21 LED zub Schraubklemme KEFA (Phoenix® compatible) Stecker 5 F
140522	Mean Well power supply - 48V 120W DIN rail, narrow
131244	Mean Well Alimentation électrique du puits moyen - 48V 240W
146994	Mean Well Power Supply - 48V 480W DIN Rail
174789	Synergy 21 Netzteil - 48V 480W Mean Well Hutschiene parallel Funktion
146996	Mean Well Power Supply - 48V 960W DIN Rail
140955	TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,

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