

## 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



El ALL-SGI8016PM es un conmutador industrial L3 PoE de 16 Gigabit profesional y a la vez asequible que soporta hasta 12\*10/100/1000M puertos de enlace descendente PoE y 4\* 1000M puertos SFP. Los 12\*10/100/1000M puertos soportan PoE+ y cumplen con el estándar IEEE 802.3af/at, con una potencia PoE por puerto de hasta 30W.

Soporta la gestión de L3 como OSPF, RIP, QoS, VLAN, MSTP, multi-broadcast, gestión de puertos y gestión de PoE y soporta protección contra sobretensiones de 6KV, protección ESD de 8KV de contacto/15KV de aire. La instalación en la pared, en el escritorio y en el Din-Rail es fiable y duradera y puede utilizarse en la videovigilancia de redes de seguridad, en redes y en otras aplicaciones.

### Aspectos destacados:

- Con 12\*10/100/1000M puertos de enlace descendente PoE, 4\*1000M puertos SFP
- Soporta energía PoE hasta 30W cada uno;
- Soporta la gestión de L3, como OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, gestión de puertos y gestión de PoE;
- Protección contra sobretensiones de 6KV, protección ESD de 8KV de contacto /15KV de aire;
- Soporta una temperatura de trabajo de -40°C ~+75°C.

### • 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
	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

## Atributos

Atributo	Valor
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

Atributo	Valor
SFP Geschwindigkeit:	SFP 1GBit
Peso:	0.42 Kg
Garantía:	24.00 Meses

## Accesorios

Número de artículo	Denominación
128033	ALLNET Módulo de conmutación ALL4750-INDU SFP(M-GBIC) 1G MM
128034	ALLNET Módulo de conmutación ALL4751-INDU SFP(m-GBIC), 1G SM
131244	Meanwell Fuente de alimentación 48V 240W carril DIN
146994	Mean Well Power Supply - 48V 480W DIN Rail
174789	Mean Well SDR-480P-48 Alimentación 48V/480W
146996	Mean Well Power Supply - 48V 960W DIN Rail
140955	TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,
200364	ALLNET 19"zbh. Gerätehalter für Hutschiene/DIN-Rail Geräte, T150mm/5HE, Lichtgrau, Frontmontage,
188424	CyberPower SAI Interactiva 600VA/360W
188433	CyberPower SAI Interactiva 650VA/360W
188435	CyberPower SAI Interactiva 1000VA/600W
188439	CyberPower SAI Interactivo 1500VA/900W
90560	Synergy 21 Enchufe borne hembra con conexión 5 pins
219373	ALLNET DIN-RAIL Wandgehäuse, T223mm, Lichtgrau, IP55, SO-DIN-Serie,
193039	ALLNET 19"Wandgehäuse, 6HE, T488mm, Lichtgrau, IP55, SO-Serie, incl. 2-Fach Lüftereinheit
193040	ALLNET 19"Wandgehäuse, 9HE, T488mm, Lichtgrau, IP55, SO-Serie, incl. 2-Fach Lüftereinheit
193041	ALLNET 19"Wandgehäuse, 12HE, T488mm, Lichtgrau, IP55, SO-Serie, incl. 2-Fach Lüftereinheit

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