ALLNET Industrial Smart Managed Layer 2 Switch, 10-Port GbE • 69W PoE Budget • 7x PoE Outputs • 2x SFP Ports • 1x GbE PD Port • Fanless, IP40 • ALL-SGI8010PDM

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EAN CODE

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Highlights:

- 7 x 10/100/1000M RJ45 PoE ports (IEEE802.3af/at, up to 30W)
- 1 x Gigabit PoE PD input port (IEEE802.3af/at/bt, up to 90W)
- 2 x Gigabit SFP fiber uplink slots
- 20Gbps switching capacity
- Managed Layer 2 industrial switch
- Wide operating temperature range: -40°C to +75°C
- 6KV surge protection
- 8KV contact / 15KV air ESD protection
- Industrial fanless aluminum housing
- Wall mount and desktop installation support

ALLNET ALL-SGI8010PDM Industrial Managed Gigabit PoE Switch

The ALLNET ALL-SGI8010PDM is a powerful and reliable industrial managed Gigabit PoE switch designed for demanding network environments. Equipped with 7 Gigabit PoE ports, 1 Gigabit PoE PD uplink port and 2 Gigabit SFP fiber uplinks, this switch provides flexible connectivity for industrial automation, IP surveillance, smart city infrastructure and network backbone applications.

The switch supports IEEE 802.3af/at PoE with up to 30W output per PoE port and features an advanced 90W PoE PD input port compliant with IEEE 802.3af/at/bt standards. This allows the device itself to be powered remotely via PoE++, simplifying installations in locations where local power is limited or unavailable.

Designed for harsh industrial environments, the ALL-SGI8010PDM offers outstanding protection against electrical

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interference and unstable power conditions. With 6KV surge protection and 8KV contact / 15KV air ESD protection, the switch ensures stable operation even in electrically noisy environments such as factories, outdoor installations and transportation systems.

The robust aluminum housing, fanless industrial design and wide operating temperature range from -40°C to +75°C guarantee long-term reliability under extreme conditions. The compact housing supports both desktop and wall-mounted installation, making deployment simple and flexible.

Advanced Layer 2 Management Features

The ALL-SGI8010PDM includes comprehensive Layer 2 management capabilities for professional network administration and optimization:

- VLAN support for secure network segmentation
- QoS (Quality of Service) for traffic prioritization
- MSTP spanning tree support for loop prevention and redundancy
- IGMP Snooping / Multicast management
- Port management and bandwidth control
- Comprehensive PoE management functions

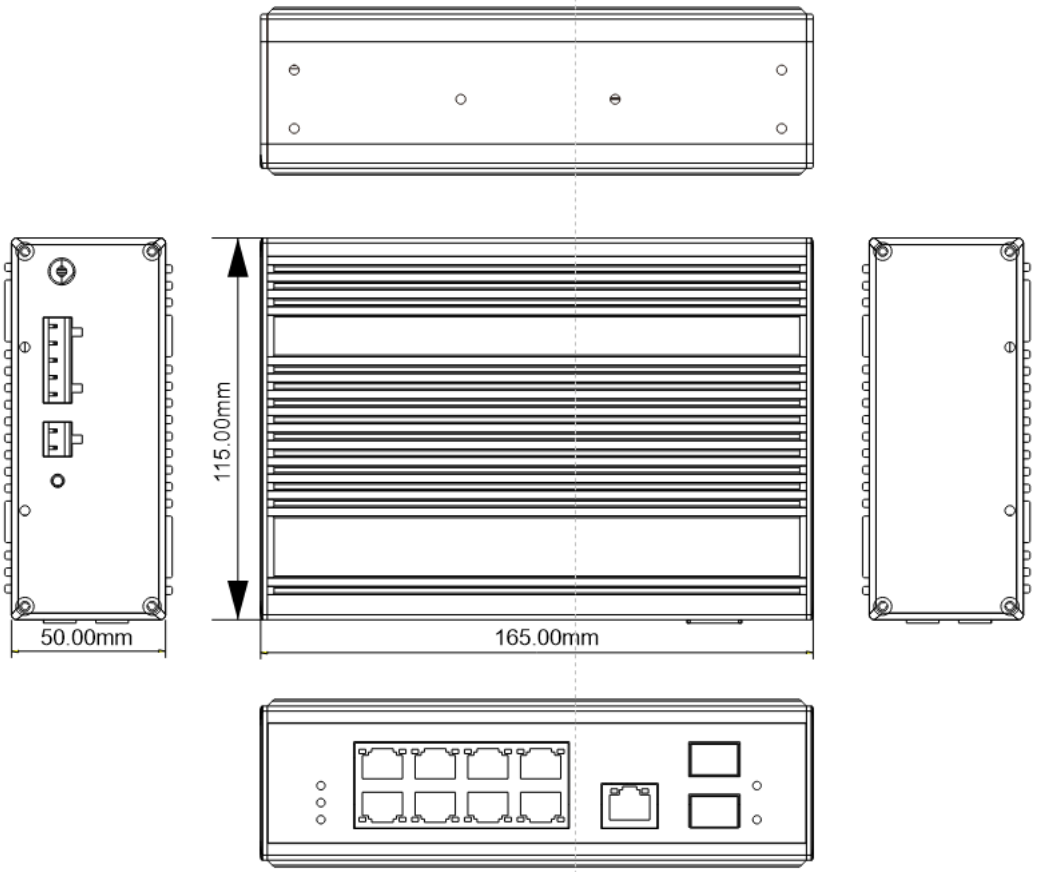
Industrial Networking Applications

The industrial switch is ideally suited for:

- Industrial automation networks
- IP surveillance and security systems
- Factory and warehouse networking
- Transportation and railway systems
- Outdoor PoE installations
- Smart city infrastructure
- Fiber uplink edge networking

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Structure dimension

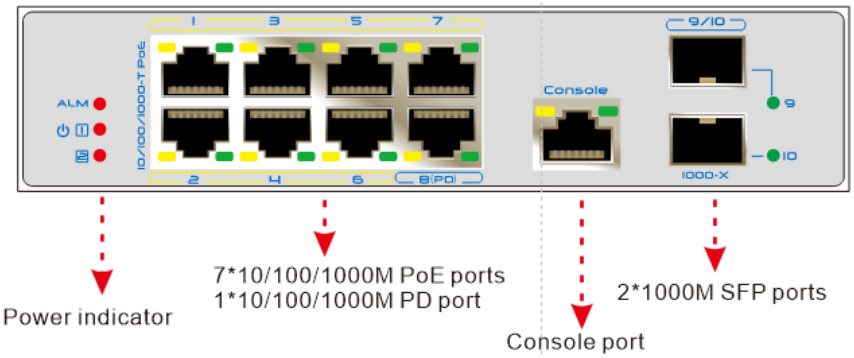


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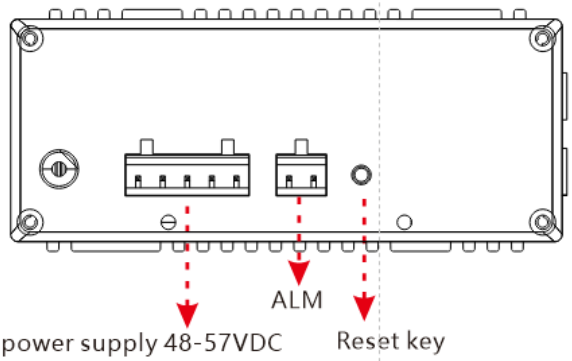
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Panel diagram

Front panel



Back panel

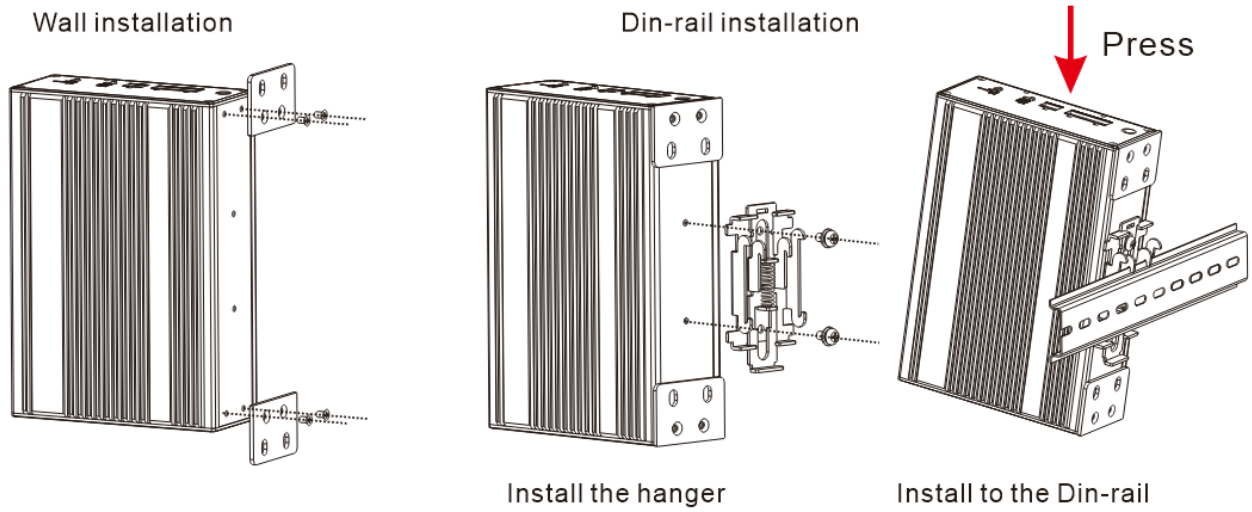


Attention 1: This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

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Installation

Wall installation and Din-rail installation



Technical Details:

Item		
Power	Powersupply	ACpowersupply
	Rangeofvoltage	DC48V~57V
	Consumption	Self-consumption<20W
Ethernetports parameter	Ethernetportsparameter	1~7ports:10/100/1000Base-T30WPoERJ45(30W,IEEE802.3af/at) 8port:1*10/100/1000MPDport(90W,IEEE802.3af/at/bt)9~10ports : 1000M SFP slots
	Consoleport	RJ45toserialport(38400,8,N,1)
	Resetkey	Shortpressrestart,>5spressrecoveryt odefault
	Cableanddistance	Usecat5e/6,100mmax.
Switchpara meter	Standard	IEEE802.3,IEEE802.3u,IEEE802.3z
	Switchfabric	20Gbps
	Thoughput	14.88Mpps
	Buffer	1M
	MACaddresstable	8K
Indicator	Power	2*red

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	ALM	1*red
	Uplink9~10	GreenLEDsindicateLink/Act
	Downlink1~8	Green LEDsindicateLink/Act,yellowLEDsindic atePoE
Protection	Surge	6KV,standard:IEC61000-4-5
	ESD	8KV:contact/15KV:air,standard:IEC61000-4-2
Enviroment	Workingtemperature	-40°C ~ 75°C
	Storagetemperature	-40°C~85°C
	Humidity	0~95%(Nocondensation)
Structure	Dimension(L×W×H)	165mm×115mm×50mm
	Material	Aluminum
	Color	Black
	Net-weight	1kg

Attributes

Attribute	Value
Anzahl Ports PoE/LAN:	7/1
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	Industrial DIN
Extra Features:	PD-PoE INPUT;
LAN Geschwindigkeit:	1Gbit/s
Management:	smart managed (WebGui);
PoE Budget:	<100 Watt
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP 1GBit
SFP Port Anzahl:	2
Weight:	0,6 Kg
Warranty:	24.00 Months

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Accessories

Part No.	Name
235428	ALLNET PoE Injector MultiGigabit • PoE bt 90W • 1G/2.5G/5G/10G PoE & PoE bt (15,4W/30W/60W/90W) • metal housing • wall mounting • ALL-PI103MG-BT90-10G
231227	ALLNET PoE Injektor Industrial MultiGigabit • PoE BT with Power-Booster (15,4W/30W/90W) • DIN • ALLNET PoE Injekt metal housing • ALL-PI2015MGPB-BT90
131244	Mean Well power supply - 48V 240W DIN rail
140522	Mean Well power supply - 48V 120W DIN rail, narrow
146994	Mean Well Power Supply - 48V 480W DIN Rail
128033	ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit MM
128034	ALLNET Switch Module ALL4751-INDU SFP(Mini-GBIC), 1000Mbit,
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,

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