

## **ALLNET Switch unmanaged 5 Port - 5x GbE - PoE Budget 85W - 1x bt out, 3x PoE af/at out, 1xPoE bt 90W in - Fanless, DIN, PD-Input - ALL-SG8005PD-BT90**

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### **EAN CODE**



## **ALLNET Switch unmanaged 5 Port - 5x GbE - PoE Budget 85W - 4x PoE af/at out 1xPoE bt 90W in - Fanless, DIN, PD-Input - ALL- SG8005PD-BT90**

### **Highlights:**

- Compact switch for DIN rail 5x 10/100/1000M copper ports of which port 2 max. 60W, port 3-5 PoE output ports max. 30W per port, port 1 = PoE PD BT 90W input
- Compact PoE switch with PD input and PoE outputs for DIN rail
  - Port 1 PoE output with max. 90W PoE according to IEEE802.3bt
  - Port 2-5 PoE output with max. 30W according to IEEE802.3af/at
  - Port 5 PoE PD input Power supply via PoE network, no AC or DC power supply required, supports standard PoE bt, input max 90 W, PoE voltage 44-57 VDC PoE Pin: Input: 1/2 (+), 3/6 (-), 4/5 (+), 7/8(-); Output: 1/2 (+), 3/6 (-)
- Compact design: L+W+H = 82 x 52 x 23mm
- Cascading of max. 4 switches possible (no POE left for devices)
- One Touch VLAN function can be activated via switch.

The ALLNET ALL-SG8005PD Gigabit PoE+ Extender/Switch is a compact, high-performance device harnessing the latest network standards to extend your Ethernet signal up to 100 meters per device. With the capability to reach a total range of up to 500 meters, this extender offers flexibility and versatility.

Operating via Power over Ethernet (PoE), this amplifier eliminates the need for a separate power supply. This feature allows its deployment in locations without existing power cables or outlets, expanding range or



connectivity effortlessly. The 4 PoE ports provide a maximum budget of 85W PoE power. Port 2 delivers up to 60W, while ports 3-5 can supply a maximum of 30W per port. Furthermore, ports 2-5 support both PoE and non-PoE compatible devices, ensuring flexible utilization.

This solution is ideal for ensuring a reliable network connection in cabinets or electrical enclosures. The additional ports can accommodate IoT devices or other smart home endpoints, further enhancing the versatility and applications of this extender.

The switch offers the option to toggle between two operating modes via a switch: OFF-Normal mode or ON-VLAN & 250M PoE. In VLAN & 250m PoE mode, devices cannot communicate with each other, also known as Port Isolation. Moreover, the network range for 100Mbps devices extends to a maximum of 250m, while Gigabit devices maintain a range of 100m."

## Technical Details:

### Technical Details:

Modell	ALL-SG8005PD-BT90
Product name	ALLNET 5 Port PoE Extender
Network transmission medium	10Base-T : Cat5e or above UTP(=100m) 100Base-TX : Cat,5e or above UTP(=100m) 1000Base-TX : Cat,5e or above UTP(=100m)
Ethernet	4*10/100/1000Mbps PoE Port PoE Output 1*10/100/1000Mbps Ethernet Port Input
Transmission distance	Bis zu 100m pro Extender
Network protocol	IEEE802.3 IEEE802.3u IEEE802.3x
PoE protocol	IEEE802.3bt (90) Input Port 1 IEEE802.3bt (60W Output Port 2 IEEE802.3at (30W) Output Port 3-5
Backplane bandwidth	Store and forward  MAC address table 1k  Switching capacity 10Gbps
Forwarding Rate	10BASE-tx: 14880PPS/port 100BASE-tx:148800pps/port 1000BASE-tx:1488000pps/port
Port Function	Power priority mechanism fast and forward MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode
Packet forwarding rate	7.4Mpps



Part No.: 222870  
Vendor Part No.: ALL-SG8005PD-BT90

PoE inputs	1/2 (+), 3/6 (-), 4/5 (+), 7/8 (-)
PoE outputs	Ports 1-3 (1/2 +, 3/6-line pair) Port 4 (1/2 +, 3/6-, 4/5 +, 7/8-line pair)
Operating temperature	-10~55°C
Storage temperature	-40~85°C
Humidity	Operating: 10% to 90% relative humidity (non-condensing) Storage: 5% to 95% relative humidity (non-condensing)
PoE power	Input:DC44-57V 90W Output:DC44-57V 85W
PoE voltage	44-57 Vdc
Size of the product	82*52*23mm
Weight of the product	55g
Marks	CE

## Attributes

Attribute	Value
Anzahl Ports PoE/LAN:	4/0
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	Industrial DIN
Extra Features:	PD Input
LAN Geschwindigkeit:	1Gbit/s
Management:	unmanaged
PoE Budget:	<100 Watt
Weight:	0.1 Kg
Warranty:	24.00 Months

## Accessories

Part No.	Name
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Part No.: 222870  
Vendor Part No.: ALL-SG8005PD-BT90

Part No.	Name
188381	ALLNET PoE Inject PoE Gigabit (15,4W/30W/45/60/95W) "ALL0495BT"
219111	ALLNET PoE Injector Industrial Gigabit / PoE BT (15.4W/30W/90W) / DIN / metal housing / "ALL-PI2014-I-BT90"
195716	ALLNET Switch industrial full managed Layer2+ 6 Port GbE • PoE Budget 360W • 4x PoE bt • 2x SFP • Fanless • DIN • ALL-SGI8106PMJ-BT