

## 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

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### EAN CODE



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



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

## Attributs

| Attribut              | Valeur         |
|-----------------------|----------------|
| 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      |
| Poids:                | 0.1 Kg         |
| Garantie:             | 24.00 Mois     |

## Accessoires

| No. d'article | Désignation |
|---------------|-------------|
|---------------|-------------|



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| No. d'article | Désignation                                                                                                                                            |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| 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                    |