

BSD-IPX202

Outdoor Extender



Features

- Compatible with IEEE802.3af, IEEE802.3at, LTPoE++
- One port supply LTPoE++ Ultra PoE input up to 90W
- Two ports supply IEEE802.3at PoE output
- Extends the range of PoE and Ethernet an additional 100 meters
- Forwards both Ethernet data and PoE power to remote device
- No additional power supply is required
- Automatically detects and protects PoE equipments from being damaged by incorrect installation
- Full-rate network throughout the whole extended distance
- Operating Ambient Temperature:-40 to 75°C
- IP30 aluminum case
- DIN rail and wall-mount
- Easy plug-and-play installation

Specifications

| Item | Description |
|---------------------------|---|
| PoE Input Port | 1 x 10/100/1000Base-T RJ45 port |
| PoE Output Port | 2 x 10/100/1000Base-T RJ45 ports |
| PoE Input Power | 50~57VDC, Up to 90W (LTPoE++) |
| PoE Output Power | 44~57VDC, Up to 30W per port |
| PoE Power Budget | 75W @ LTPoE++ Ultra PoE Input 20W @ IEEE802.3at High PoE Input 10W @ IEEE802.3af PoE Input |
| PoE Input Pin Assignment | 1/2 (-), 3/6 (+), 7/8 (-), 4/5 (+) |
| PoE Output Pin Assignment | 1/2 (-), 3/6 (+) |
| Indicators | LED indicators are located on the RJ45 connector Power indicator: PoE enabled Network indicator: Link/Act |
| Network cables | Shielded category 5e (or higher) |
| Forwarding Rate | 10BASE-T: 14880pps / port 100BASE-TX: 148800pps / port 1000BASE-TX: 1488000pps / port |
| Switch Architecture | Store-and-Forward |
| MAC address table | 8K |
| Switch Fabric | 10Gbps |
| Switch Buffer | 1Mbits |
| Switch Throughput | 7.44Mpps |
| Traffic control | IEEE 802.3x full-duplex flow control. |
| Enclosure | IP30 aluminum metal case |
| Mounting | Wall of shelf |
| Operating Environmental | Operating Ambient Temperature:-40 to 75°C Relative Humidity: Maximum 90%, Non-condensing |
| Storage Environmental | Storage Temperature:-40 to 85°C Relative Humidity: Maximum 95%, Non-condensing |
| Regulatory Compliance | IEEE802.3af (PoE) IEEE802.3at (High PoE) IEEE802.3at-4pair (Ultra PoE) |

Power over Ethernet Budget

The following table lists how many PD can be powered

| Power Source | PoE Budget | Max Number of PDs Supported | |
|---------------------|------------|-----------------------------|---------|
| Ultra PoE PSE (90W) | 75W max | Class4 PD@25W | 3 units |
| | | Class3 PD@15W | 4 units |
| | | Class2 PD@7W | 4 units |
| High PoE PSE (30W) | 20W max | Class4 PD@25W | 0 units |
| | | Class3 PD@15W | 1 units |
| | | Class2 PD@7W | 2 units |
| PoE PSE (15W) | 10W max | Class4 PD@25W | 0 units |
| | | Class3 PD@15W | 0 units |
| | | Class2 PD@7W | 1 units |

Order Information

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| BSD-IPX202 | 1 Ports 60W POE in 2 Ports 30W Output gigabit extender |
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