

Flexible and Long Distance Extension Solution

IDIS Long Reach PoE Extender DA-LP1101R / DA-LP1101T



Data and Power Transmission at Ranges Up to 500 Meters

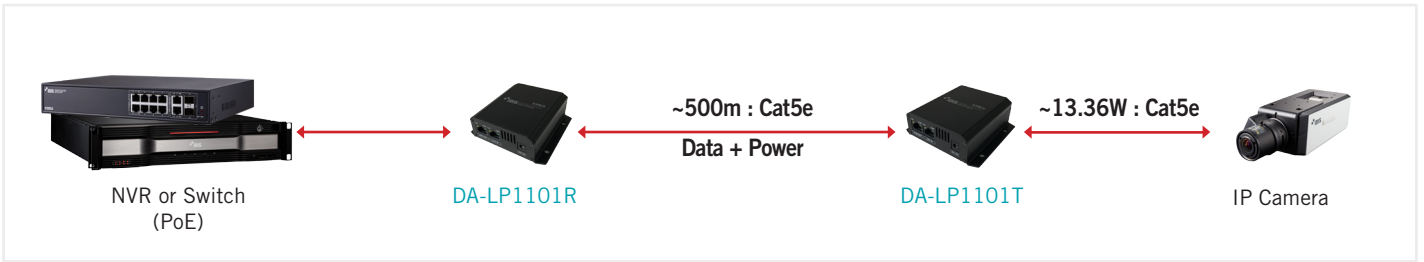
The IDIS Long Reach PoE Extender is a long distance networking-specific solution that supports Ethernet connections up to 500 meters. This versatile connector empowers integrators and end users to establish networks beyond the limitations of common cables requiring repeater connections every 100 meters. By connecting a network video recorder (NVR) and camera with the IDIS Long Reach PoE Extender, users can now build a network without multiple separate repeater connections, enabling cost savings and simplifying network environments.

Key Features

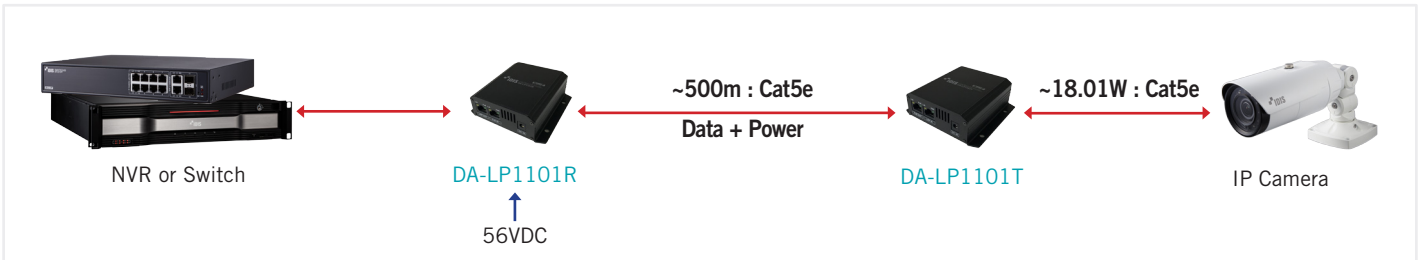
- Up to 500 meters PoE transmission between devices using UTP cabling
- Up to 700 meters DATA transmission between equipment using UTP cabling
- Plug-and-play without any required PC settings
- Supports 1Gbps / IEEE802.3at for PoE Injector
- Supports 1Gbps / IEEE802.3at / 100 meters for PoE Repeater
- Supports 10 / 100Mbps for Long Reach PoE extender

IDIS Long Reach PoE Installation

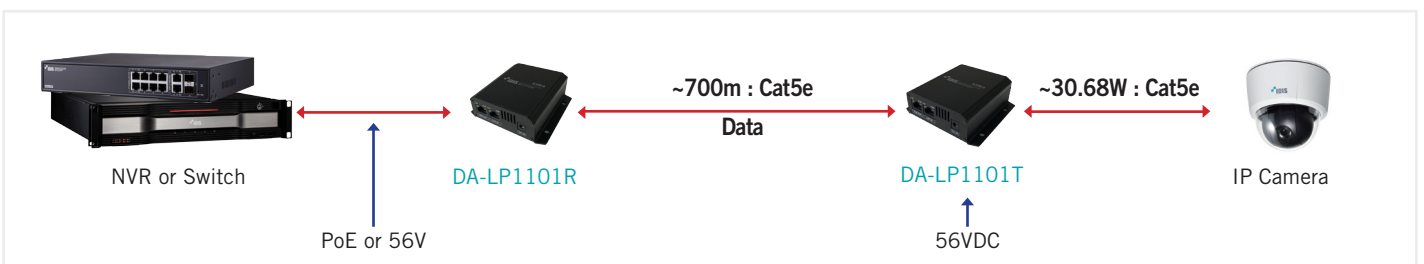
1. Installation with PoE NVR or Switch



2. Installation with External DC Power (DA-LP1101R)



3. Installation with External DC Power (DA-LP1101T)



4. Installation for PoE Repeater



5. Installation for PoE Injector

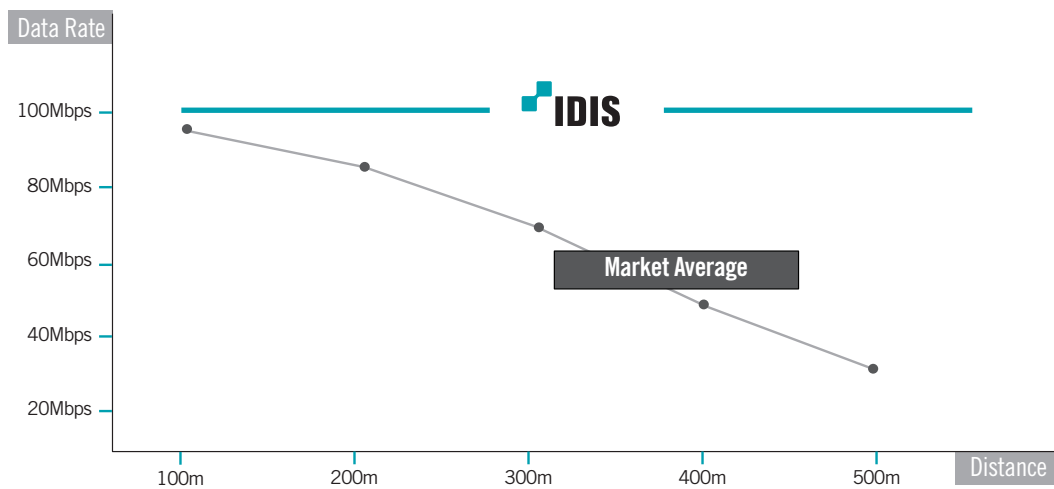


Cover Greater Distances at Lower Costs

While camera networks using traditional cables require four repeaters to cover a 500 meter connection, the same network can now be established using only one IDIS Long Reach PoE Extender. As the network distance increases, cost efficiency increases dramatically when compared to basic Ethernet connectors.

100Mbps of Seamless Transmission

Even over a range of 500 meters, the IDIS Long Reach PoE Extender will maintain network speeds of 100Mbps.





Easy Installation and Maintenance

By simply connecting a receiver and transmitter at each end of an NVR and camera, users can create a seamless network environment. The IDIS Long Reach PoE Extender eliminates the need to install any network repeaters in the network infrastructure, resulting in significant maintenance cost savings and minimizing the risk of damage caused by any external forces.


Convenient Compatibility and Scalability

The power supply and output-integrated design of the IDIS Long Range PoE Extender makes it compatible with all NVR and camera connections. It also provides an optional separate power supply function for a more stable network environment.

IDIS Long Reach PoE Specifications

| | Long Reach PoE Extender | |
|---|---|---|
| | DA-LP1101R | DA-LP1101T |
| Model |  |  |
| PoE INJECTOR / REPEATER FUNCTION | | |
| Port | RJ45 x 1 with PD RJ45 x 1 with PSE | - |
| Connectivity | RJ45, Auto-MDI / MDI-X Sensing | - |
| Power Input | IEEE 802.3at, 48 ~ 56V DC | - |
| Power Output | Max. 720mA | - |
| PoE Standard | IEEE 802.3at PD IEE 802.3at PSE | - |
| PSE Budget | Up to 30W | - |
| Speed | 10 / 100 / 1000Mbps | - |
| LONG REACH PoE EXTENDER FUNCTION | | |
| Port | RJ45 x 1 with PD RJ45 x 1 with PSE | |
| Connectivity | RJ45, Auto-MDI / MDI-X Sensing | |
| Power Input | IEEE 802.3at, 48 ~ 56V DC | |
| Power Output | Max. 720mA | |
| PoE Standard | Up to 30W (Depending on Cable Distance and Power Input) | |
| PSE Budget | UTP CAT5E or Above | |
| Speed | 10 / 100Mbps | |
| LEDs AND BUTTON | | |
| Link Status LED | 2 Yellow LED (Link / Activity LED per Ethernet Port) | |
| PoE Status | 1 Green LED (PSE LED) | |
| Reset Button | None | |
| Power LED | 1 Green LED | |
| ETC | | |
| Dimensions (W x H x D) | 102mm x 34mm x 96mm | |
| Unit Weight | 226g | |
| Operating Temperature | -10°C ~ 50°C (14°F ~ 122°F) | |
| Operating Humidity | 0% ~ 90% | |
| Approvals | KC, CE, FCC | |

| IDIS PERFORMANCE | Distance | Data Rate | DA-LP1101T IEE802.3at PoE Output Capability (Using UTP CAT5E Cable) | | |
|------------------|----------|-----------|---|------------------------------|------------------------------|
| | | | DA-LP1101R with IEEE 802.3at | DA-LP1101R with 56V DC Input | DA-LP1101T with 56V DC Input |
| | | | 100m | 100Mbps | 19.65W |
| 200m | 100Mbps | 18.28W | 25.57W | 30.68W | |
| 300m | 100Mbps | 16.81W | 23.24W | 30.68W | |
| 400m | 100Mbps | 16.00W | 20.85W | 30.68W | |
| 500m | 100Mbps | 13.36W | 18.01W | 30.68W | |
| 600m | 100Mbps | | | 30.68W | |
| 700m | 100Mbps | | | 30.68W | |

| | | | | | |
|--|---|--|---|--|---|
|  One Solution. One Company. | IDIS HQ IDIS Tower, 344 Pangyo-ro Bundang-gu, Seongnam-si Gyeonggi-do, 13493 Republic of Korea T +82 (0)31 723 5400 F +82 (0)31 723 5100 E sales@idisglobal.com | IDIS America 801 Hammond Street Suite 200 Coppell, TX 75019 U.S.A. T +1 469 444 6538 F +1 469 464 4449 E sales_americas@idisglobal.com | IDIS Europe 1000 Great West Road Brentford, Middlesex TW8 9HH The United Kingdom T +44 (0)203 657 5678 F +44 (0)203 697 9360 E uksales@idisglobal.com | IDIS Benelux De Slof 9 5107 RH Dongen The Netherlands T +31 (0)162 387247 F +31 (0)162 311915 E sales@bnl.idisglobal.com | IDIS Middle East P.O. Box 341037 D-308, DSO HQ Bldg Dubai Silicon Oasis Dubai, U.A.E. T +971 4 501 5434 F +971 4 501 5436 E sales_mena@idisglobal.com |
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