

### VDSL2 100MI (Profile 30a) Industrial Ethernet Extender



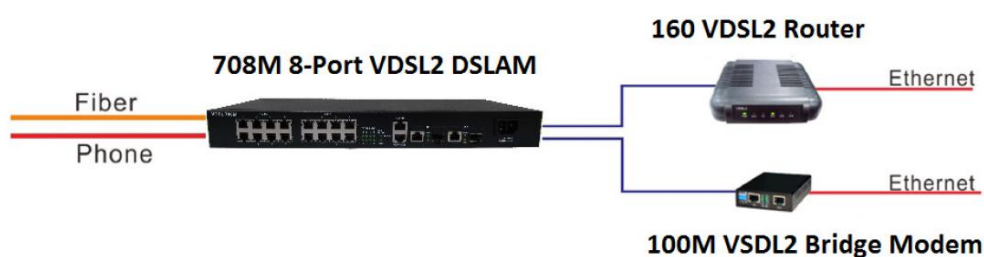
#### Description

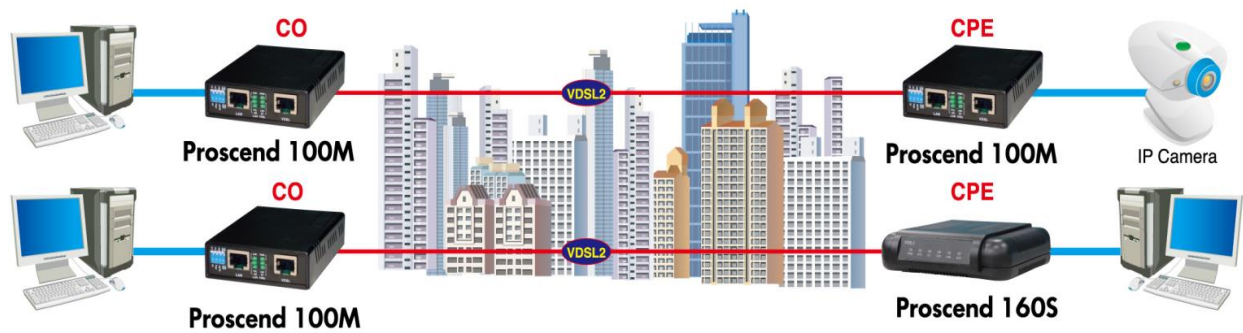
**Proscend 100MI** is a high-speed Copper Ethernet Extender designed for long reach Ethernet applications. It is equipped with one Ethernet port (RJ-45 connector) and one VDSL2 port (RJ-45 connector) in metal enclosure for easy installation in harden environment. It is a bridge mode modem, well accommodating VDSL2 (Very-high-data-rate Digital Subscribe Loop) technology to extend Ethernet service over single-pair phone line. It is compliant to ITU-T G.993.2 standard and supports VDSL2 30a profile that features 100Mbps of symmetric data rate over the existing copper wires. Supporting both symmetric and asymmetric transmission, it can reach up to 100/100 Mbps bandwidth (line rate) within 300M. By providing ultra-high speed, **100MI** VDSL2 Ethernet Extender makes your telephone line achieve its best performance than before. **100MI** VDSL2 Ethernet Extender also supports selectable CPE and CO mode. By selecting operation modes: one with CO mode and the other with CPE mode, users can connect two 100M VDSL2 Ethernet Extenders to establish a point-to-point connection.

With its high performance and plug-n-play design, **100MI** VDSL2 Ethernet Extender is the ideal Long Reach Ethernet solution for ISPs and carriers to quickly deploy a high-speed IP-based network for triple play (video, voice and data) services.

#### Features

- Metal enclosure for robust installation in Utility applications
- High speed Ethernet extension over UTP, CAT 5e/6/7 or Coaxial cables
- Cost effective bridge function to connect two Ethernet LAN
- Support wide operating temperature range
- Support flow control on Fast Ethernet port via PAUSE frame or Back Pressure
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play
- Compatible with Proscend 724M/708M DSLAM & third party DSLAM.
- Wall Mounting or Din Rail Mounting(Optional)





## Specifications

- 4-position DIP Switch
  - Selectable CO or CPE mode
  - Selectable 30a or 17a (VDSL2 Profile)
  - Selectable Band plan (Symmetric or Asymmetric)
  - Selectable target SNR margin (6dB or 9dB)
- LAN Interface:
  - RJ-45 connector
  - Complying with IEEE 802.3/802.3u/802.3x
  - 10/100 Base-T Auto-Negotiation, Auto-MDI/MDI-X.
- LED:
  - LAN: ACT/LNK, 10/100Mbps, Half/Full Duplex
  - VDSL: Power On/Off, CO/CPE, Idle/Trained/Link
- VDSL Interface:
  - RJ-45 connector
  - DMT Encoding
  - Complying with ITU-T G993.1/993.2/G.997.1
  - On-board surge protection
- Power supply:
  - Option 1: 5 -16 Vdc over terminal block (External Power Adaptor not included)
  - Option 2: 12 Vdc over 2.1mm DC Jack (External Power Adaptor included)
  - Power Consumption: 4.2 Watts maximum
- Dimension: 72.5 mm x 23 mm x 94.5 mm
- Operating Temperature: -20 °C ~65 °C
- Humidity: 0%~95%RH (non-condensing)
- **Regulatory Compliance**
  - CE
  - FCC Part 15 Class A
  - EN60950

\* Features and specifications are subject to change without notice