

# Comnet SFP-VDSL Industrial Long Reach Ethernet over VDSL2 SFP CPE

## Industrial Long Reach Ethernet over VDSL2 SFP CPE

The ComNet SFP-VDSL small form-factor pluggable Ethernet extender modules improve bandwidth and distance of Ethernet over existing VDSL2 technology. It helps avoid installation costs of new fiber lines on site and can extend Ethernet service on UTP wire with distance up to 3,000 meters. Full Duplex 100 Mbps speed can reach up to 400 meters over standard Cat 5e 2-wire cable. The symmetric profile can be used for standard Ethernet connections or the asymmetric profile can support high traffic flow in a single direction.

Housed in a small form-factor pluggable (SFP) module enclosure, it is designed for plug-and-play installation into any 1000BASE-FX Ethernet unit with an MSA-compliant port. These must be used in pairs, with a the SFP-VDSL module installed at one end and the SFP-VDSL installed in the other.

### Features:

- Extends Ethernet up to 1.8 mi (3 km) at 10 Mbps or 1,300 feet (400 m) at 100 Mbps over Cat 5e 2-wire cable.
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions, and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- Small Form-Factor Pluggable (SFP) module can be plugged into any Ethernet switch with SFP ports that support 1000BASE-FX