



# 860 PRO LONG RANGE ETHERNET BACKBONE EXTENDERS

The Next Generation  
Broadband



## Enable-IT 860 Pro LRE Kit



- Voice
- Video
- Data
- PoE

**Extends Full-Duplex  
100MB Ethernet up to  
6,000' or 1,828m**

**Small footprint for  
simple installation**

**Saves costs of re-wiring  
and expensive LAN  
equipment**

**Plug and Play  
installation allows  
rapid connectivity of  
your extended network**

**Interlink cabling can  
be T-568A, T-568B or  
untwisted copper  
wiring such as  
electrical, telephone or  
other utility wiring**

**Pass-through PoE  
capability up to 1,500ft  
with customer's  
existing PoE source  
(LAN 1 / 2)**

The **Enable-IT 860 Pro Ethernet Extension Kits** are the highest speed professional grade copper extenders in the industry today. They drive industry standard 10baseT and 100baseT Ethernet signals to over nineteen times the restricted IEEE standard Ethernet distance. This cost-effective solution eliminates many of the limitations and high costs for extending LAN cabling today.

The 860 Pro Series Solution is a pair of Ethernet line drivers that utilize an existing 1-pair or #24 AWG Telco wiring or better between each 860 Pro series LRE.

### HIGHLIGHTS

- Extends 100MB Ethernet 19x the IEEE specs for Ethernet distance
- Enables Ethernet connectivity to LAN's at a fraction of the previously costly fiber options
- Broadband Transport for delivering Voice, Data, Video over 1 pair CAT 2 or up to 4 pair CAT 5-7 cabling
- Can be used on all LAN devices including switches, routers, hubs, gateways and end nodes
- Mixed Digital Voice, Data, Video over existing telephone copper
- Rapid and Easy Installation on any copper wiring – using RJ-45 LAN interfaces

### FEATURES & SPECIFICATIONS

#### Features:

- Extends standard 100baseT Ethernet 19x beyond the 328ft or 100m limitation of twisted pair Ethernet over existing 1-pair phone wiring or better
- Supports digital VoD channels
- 100 Mbps full-duplex service
- Quad RJ-45 100MB Ethernet ports
- MPEG over IP support

#### Specifications:

LAN interface: Quad RJ-45 100Mbps

#### Dimensions:

Height: 1.5" (38.1mm)

Depth: 3.5" (88.9mm)

Width: 4.26" (108.2mm)

#### Functionality:

Up to 700ft (200m)	- 100Mbps
700ft (200m) to 1,350ft (400m)	- 90Mbps
1,350ft (400m) to 1,970ft (600m)	- 70Mbps
1,970ft (600m) to 2,625ft (800m)	- 52Mbps
2,625ft (800m) to 3,280ft (1000m)	- 42Mbps
Up to 6,000ft (1,828m)	- 30Mbps

Max Distance 1,828m / 6,000ft

#### Interfaces

- 860 Units – (4) 100Mbps Ethernet
- (1) RJ-45 Interlink port
- (1) 5v DC Input jack

#### Environment

Operating Temp:

-20° to 70°C/-4° to 160°F

Storage Temp:

25° to 70°C/-13° to 160°F

Humidity

5% to 95%, non-condensing

