



# 860 ETHERNET BACKBONE EXTENDERS

## The Next Generation Broadband



### Enable-IT 860 LRE Kit



- Voice
- Video
- Data

**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**

### Enable-IT 860 100Mbps FD Ethernet Extender Kit

The **Enable-IT 860 VDSL2 Ethernet Extenders** are the highest speed 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 Series Solution is a pair of Ethernet line drivers that utilize an existing 1-pair or #24 AWG Telco wiring between each 860 series LRE.

#### 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
- Single RJ-45 100MB Ethernet port
- Single RJ-11 POTS port (telephone)
- MPEG over IP support

##### Specifications:

LAN interface: Single RJ-45 100Mbps

##### Dimensions:

Height: 1.5" (38mm)  
Depth: 3.75" (95mm)  
Width: 5.75" (146mm)

##### 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 – (1) 100Mbps Ethernet
- (1) RJ-45 Interlink port
- (1) RJ-11 2-line phone

##### 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

#### HIGHLIGHTS

- Extends 10MB or 100MB Ethernet 19x the IEEE specs for Ethernet
- Enables Ethernet connectivity to LAN's at a fraction of the previously costly options
- Broadband Transport for delivering Voice, Data, Video over CAT 3 or CAT 5 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 – use RJ-45 LAN plugs

