



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

