



# 860 ETHERNET BACKBONE EXTENDERS

## The Next Generation Broadband



### Enable-IT 860 LRE Kit



- Voice
- Video
- Data
- PoE

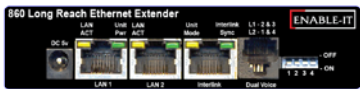
**Extends Full-Duplex 100MB Ethernet up to 6,000' or 1,828m**

**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**



The Enable-IT 860 Ethernet Extension Kit is 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.

#### 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 CAT 3 or CAT 5/6 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
- Support PoE natively

#### 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
- Dual RJ-45 100MB Ethernet ports
- Single RJ-11 2-line port (telephone)
- MPEG over IP support

##### Specifications:

LAN interface: Dual 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 – (2) 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

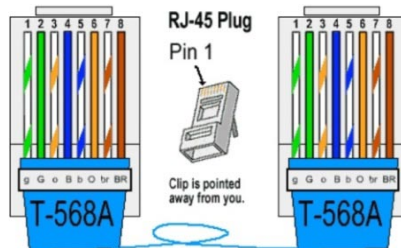
Humidity

5% to 95%, non-condensing



860 CO

#### T-568A Straight-Through Ethernet Cable



860 CPE