The Model 2150 offers one of the most efficient, reliable, and cost effective solutions for connecting peered 10/100Base-T Ethernet LANs; reaching remote PCs and equipment; or delivering last-mile ISP services—all at 10 Mbps!

The Model 2150's compact size and connection options make installation easy. The dual 10/100Base-T Ethernet ports are equipped with shielded RJ-45 jacks for connection to an Ethernet hub/switch, PC, or network-enabled device. The CopperLink Line port is equipped with an RJ-45 jack for easy connection to the CopperLink™ Extenders. For convenient installation, the Model 2150 auto-senses and configures for 10Base-T or 100Base-T—as well as full or half-duplex—operation.

The CopperLink Ethernet Extender, providing high speed Ethernet extension at 10 Mbps, is the ideal product for educational facilities, office buildings, multi-dwelling units, industrial complexes, government agencies, and military installations. If you want to take your network connections farther and faster over existing copper, Patton's CopperLink Ethernet Extenders are the perfect choice.

Visit www.patton.com for more information about the Model 2150.
What does the Model 2150 offer?

The Patton Model 2150 offers premium performance on your existing voice-grade wire. With CopperLink™ technology, full-duplex Ethernet is possible at distances up to 3,750 ft (1.1 km) at 10 Mbps. The Model 2150 eliminates the cost and common barriers associated with installing new cable or expensive fiber.

- Extends the life of your existing copper infrastructure
- Provides premium performance with minimum investment!
- Installation's as easy as 1–2–3!

### Features

- High-speed full-duplex 10 Mbps communications link.
- Extends Ethernet beyond its current 328 ft (100 m) limitation.
- Works over existing voice-grade telephone wire.
- Operation transparent to high-layer protocols.
- Six status LEDs.
- Dual auto-sensing 10 or 100Base-T and full or half-duplex Ethernet.

### Benefits

- Fast and reliable data transmission.
- Inexpensively links remote devices or extends LANs up to 3,750 ft (1.1 km).
- Eliminates the need to install new LAN-grade cable or expensive fiber.
- Lets higher-layer broadcast, multi-cast, and data frames pass through. Supports VLAN tagged frames.
- Monitoring your connection and operational status is made simple.
- No configuration necessary, just Plug & Play.

### Ethernet extension application

These multi-rate Ethernet Extenders are ideal for bridging Ethernet spans inside buildings that are beyond the 328-foot (100-meter) distance limit of Ethernet.

For example, connecting remote LANs located on different floors in a building over already existing telephone-grade twisted pair.

### Specifications

- **CopperLink interface**
  - RJ-45 (pin 4 = tip; pin 5 = ring)
- **Ethernet interface**
  - Dual 8-position shielded RJ-45. Auto-sensing 10/100Base-T with half or full-duplex operation
- **Protocol**
  - Transparent to high layer protocol. Supports 802.1Q VLAN tagging
- **Transmission**
  - CopperLink line rate: 10 Mbps; Data rate: 11.5 Mbps Full-Duplex
- **Front panel indicators**
  - Power, CopperLink Link, Ethernet Link, Activity, Local, and Remote status
- **Power supply**
  - External AC and DC options: AC—120 VAC, 220 VAC, and universal input
  - (UI)—100/240 VAC, or DC—48 VDC, -24 VDC, and -12 VDC
- **Compliance**
- **Environment**
  - Temperature: 32–104°F (0–40°C); Humidity: Up to 90%, non-condensing
  - MTBF: 193,766 hours
- **Dimensions**
  - 1.5H x 4.13W x 3.75D in. (3.81H x 10.5W x 9.53D cm)
- **Weight**
  - 0.4 lbs (0.18 kg) without power supply

### Distance Chart, Based on 24 AWG (0.5 mm)

<table>
<thead>
<tr>
<th>Data Rate</th>
<th>Signal Noise Ratio (SNR)</th>
<th>Mode</th>
<th>Distance in feet (km)</th>
<th>Throughput at Max Distance (megabits per second)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/10</td>
<td>6 dB</td>
<td>Fast</td>
<td>4,500 ft (1.3 km)</td>
<td>9.99 (DS)/9.99 (US)</td>
</tr>
<tr>
<td>10/10</td>
<td>6 dB</td>
<td>Interleave</td>
<td>4,500 ft (1.3 km)</td>
<td>9.99 (DS)/9.99 (US)</td>
</tr>
<tr>
<td>10/10</td>
<td>9 dB</td>
<td>Fast</td>
<td>4,750 ft (1.4 km)</td>
<td>9.99 (DS)/9.99 (US)</td>
</tr>
<tr>
<td>10/10</td>
<td>9 dB</td>
<td>Interleave</td>
<td>5,000 ft (1.5 km)</td>
<td>9.99 (DS)/9.99 (US)</td>
</tr>
</tbody>
</table>

Note: Distance and link performance may vary depending on the environment and type/gauge of wire used.

Note: DS = downstream, US = upstream