



Ethernet Booster

CopperLink™ Model 2110

Patton's 2110 solution more than doubles Ethernet and PoE distances over already existing network infrastructure cabling.

Ethernet & PoE Extension

Doubles 10/100Base-TX Ethernet and PoE to 200 meters (656 feet). Multiple units can be used in series for even longer extensions.

Operates over CAT5

Reduces the cost and hassles of adding switches, hubs, and wireless access points.

Plug and Play

No configuration or cable hassles during installation with auto-sensing 10/100, full or half duplex, and automatic MDI-X.

Transparent LAN Operation

Transparent operation ensures the highest rate possible for each extension distance.

No External Power Required

Power over Ethernet (PoE) capability enables both extenders and peripheral devices to be powered over standard twisted-pair Ethernet cable.

The CopperLink™ Model 2110 doubles Ethernet distance limitations of 328 feet (100 meters). Multiple Model 2110 Ethernet Boosters can be placed in-line to further extend both Ethernet and PoE up to 1,640 ft (500 m), eliminating the need for additional switches, hubs, wireless access points, and expensive fiber installations. The Model 2110 is completely transparent to protocol making them true plug-and-play devices, completely interoperable

with any network enabled device. The Model 2110 will not cause latency or degradation on your network connections, ensuring the maximum 100-Mbps full-duplex line rate. The Model 2110P and 2110PSE not only transparently pass on Ethernet data, but also feed on and forward PoE power to devices such as wireless access points, IP cameras, and VoIP phones.

Visit www.patton.com for more information.

Auto-sensing 10/100Base-TX, full or half-duplex + 802.3af

Front panel indicators show operational PoE, Power, and Ethernet status at a glance



Compact design

Auto-sensing 10/100Base-TX, full or half-duplex + 802.3af

| Max. Distance | Max. Speed | Distance at Max. Speed | CopperLink™ Model |
|---------------------|------------|------------------------|-------------------|
| 1.6 km 1 mile | 50 Mbps | 244 m 800 feet | Model 2172R |
| 1.6 km 1 mile | 50 Mbps | 244 m 800 feet | Model 2172 |
| 1.8 km 1.1 miles | 16.6 Mbps | 953 m 3,125 feet | Model 2168 |
| 1.2 km 0.75 mile | 12 Mbps | 1,219 m 4,000 feet | Model 2158 |
| 9.2 km 5.7 miles | 4.6 Mbps | 3.2 km 2.0 miles | Model 2157R |
| 9.2 km 5.7 miles | 4.6 Mbps | 3.2 km 2.0 miles | Model 2157 |
| 9.2 km 5.7 miles | 2.3 Mbps | 5.0 km 3.1 miles | Model 2156 |
| 8.0 km 5 miles | 144 kbps | 8.0 km 5 miles | Model 2155 |

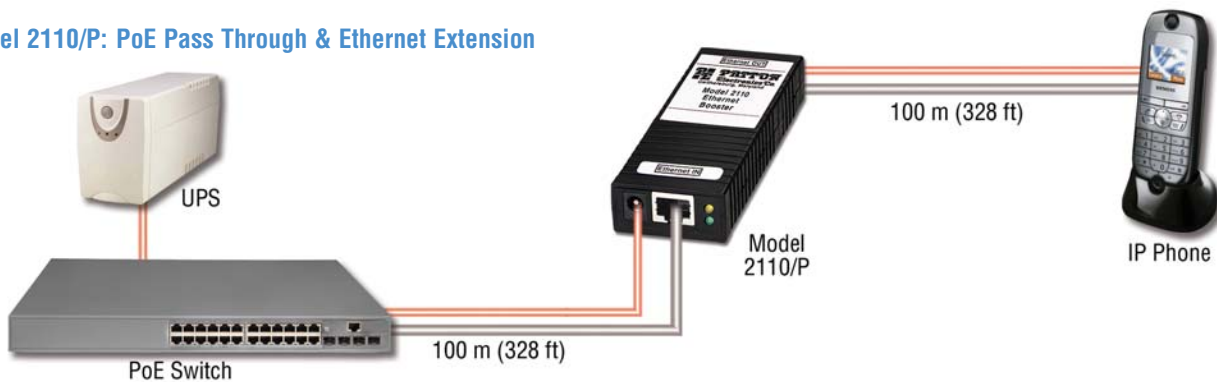
| Model | Power Delivered Class of PoE Device | Maximum Distance | | | |
|-------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | 13W Class 3/0 | 6.5W Class 2 | 3.84W Class 1 | 0W No PoE Load |
| 2110/P | PoE switch | N/A | 300 m 984 ft | 400 m 1,310 ft | 500 m 1,640 ft |
| 2110/PSE + 2110/P | PoE Injector 2110/PSE/EUI | 400 m 1,312 ft | 500 m 1,640 ft | 500 m 1,640 ft | 800 m 2,625 ft |
| 2110/E | No PoE | N/A | N/A | N/A | N/A |

Typical Applications

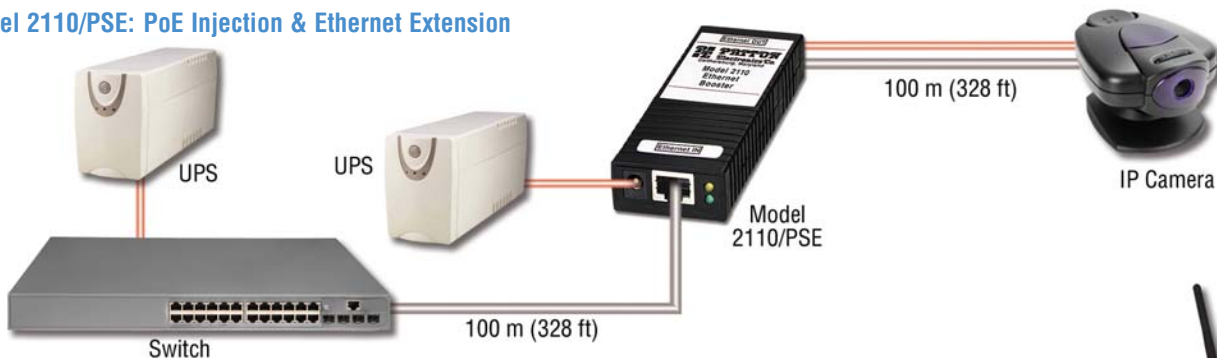
The CopperLink Ethernet Booster is ideal for delivering Ethernet to remote network enabled devices located outside Ethernet's limited

range of 328 feet (100 meters). Several configurations are possible based on individual requirements.

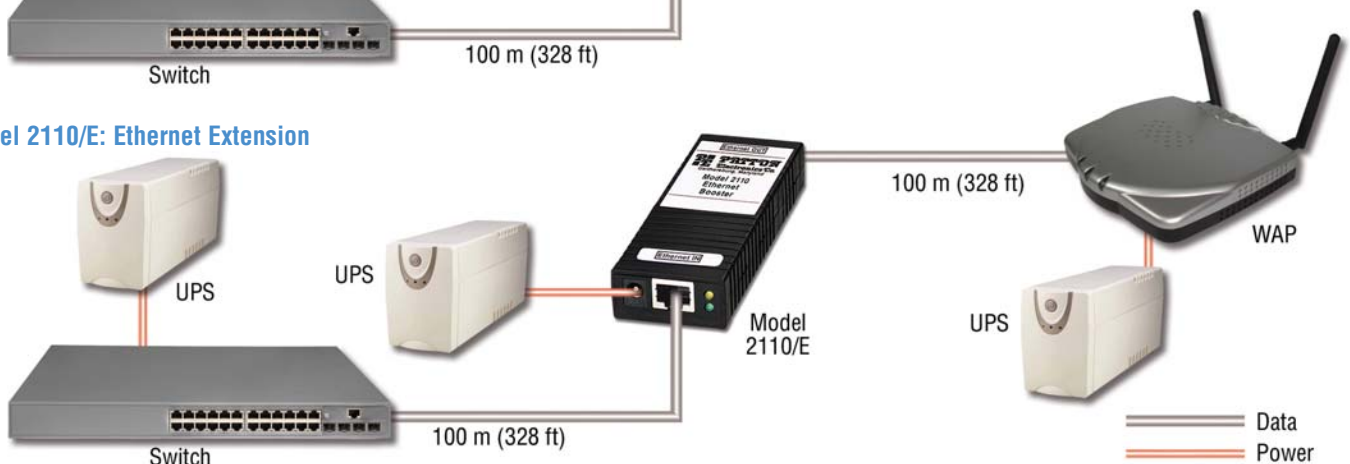
Model 2110/P: PoE Pass Through & Ethernet Extension



Model 2110/PSE: PoE Injection & Ethernet Extension



Model 2110/E: Ethernet Extension



Specifications*

Ethernet Connection

- Two Ethernet ports 10/100Base-TX; 802.3af
- Auto-Negotiating 10/100
- Supports Flow Control (IEEE803.X) for full duplex operation
- Supports back pressure for half-duplex operation

- Store and forward
- Auto MDI-X
- 802.3af pass through

LED Status Indicators

- PoE/Power (Green): Glows solid when there is power to the unit

- Ethernet (Green): Flashes when passing traffic

Power

- Rated Voltage: 12 VDC (/EUI) or 57 VDC (/PSE or /P)
- Rated Current: 700 mA

Operating Temperature

32–122°F (0–50°C)

Operating Humidity

Up to 90%, non-condensing

* Specifications subject to change without notice.

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