



# 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 1,640ft(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](http://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

Other CopperLink™ Ethernet Extenders Distance Chart			
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

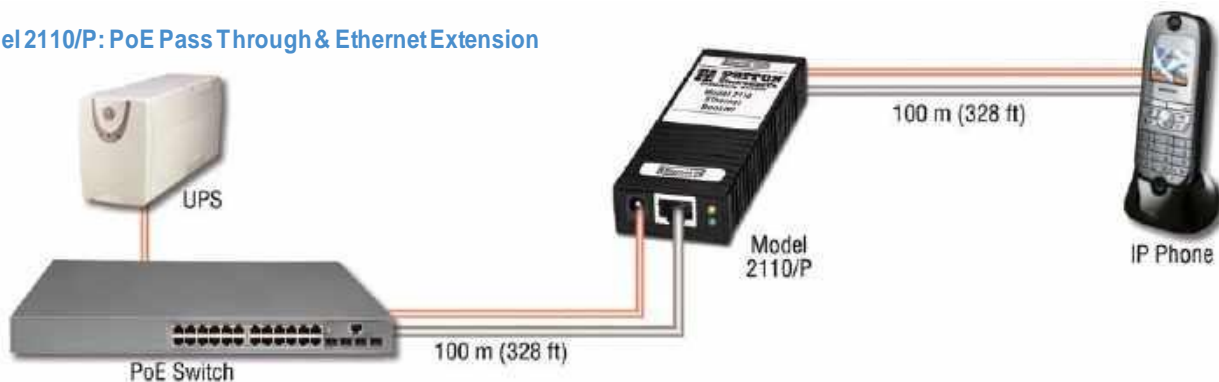
802.3af Power and Distance Chart					
	Power Delivered				
	Class of PoE Device	13W Class 3/0	6.5W Class 2	3.84W Class 1	0W No PoE Load
Model	PoE Source	Maximum Distance			
2110/P	PoE switch	N/A	300m 984 ft	400 m 1,310 ft	500 m 1,640 ft
2110/PSE + 2110/P	PoE Injector 2110/PSE/EUI	400 m 1,312 ft	500 m 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

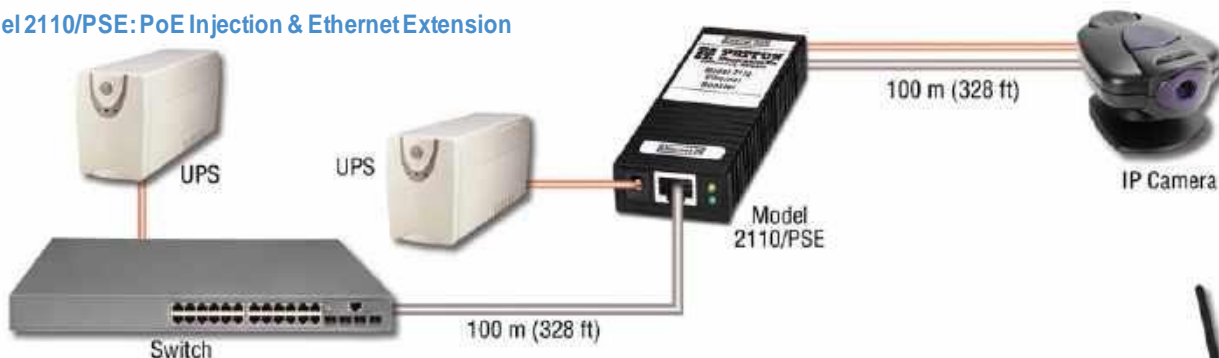
The CopperLink Ethernet Booster is ideal for delivering Ethernet to remote network enabled devices located outside Ethernet's limited

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

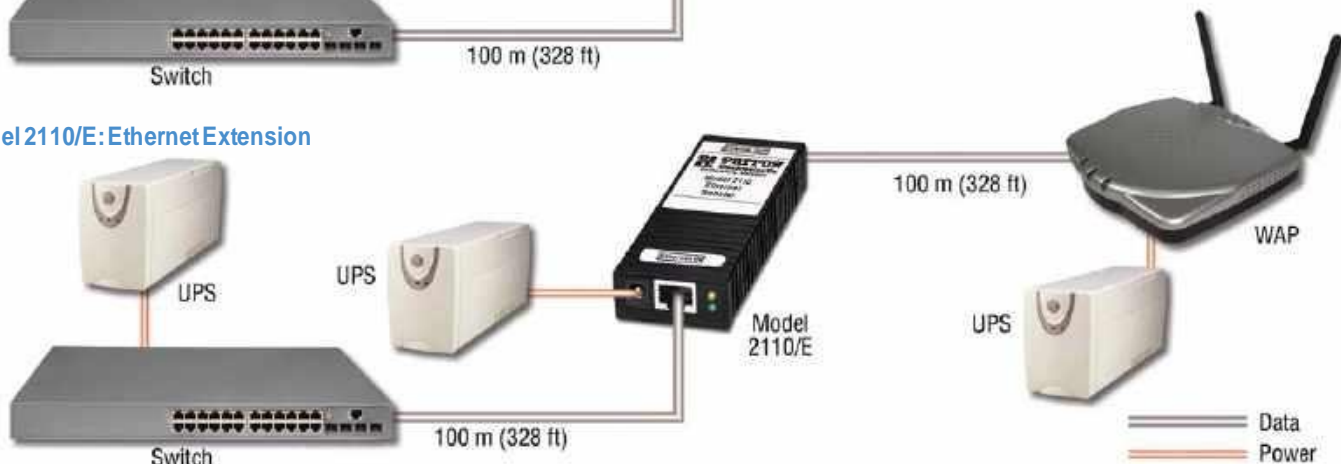
### Model 2110/P: PoE Pass Through & Ethernet Extension



### 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: 12VDC (/EUI) or 57VDC (/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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