

High Speed Ethernet Extenders

CopperLink 2110 Ethernet Booster



Patton's Model 2110 Ethernet Booster offers PoE Injector, Ethernet Extender, and PoE Ethernet repeater options. Doubles Ethernet and PoE distances over existing copper wire.

Overview

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.

802.3af Power and Distance Chart

	Power Delivered	13W	6.5W	3.84W	0W
	Class of PoE Device	Class 3/0	Class 2	Class 1	No PoE Load
Model	PoE Source	Maximum Distance			
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/EUI	No PoE	N/A	N/A	N/A	N/A

Features

- **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.
- **Made in the USA** — This Patton equipment is designed by Patton engineers and built in our Gaithersburg, Maryland facility. Patton's American-made manufacturing process delivers high-quality networking solutions with reliability you can trust.

CopperLink™ Copper Ethernet Extenders

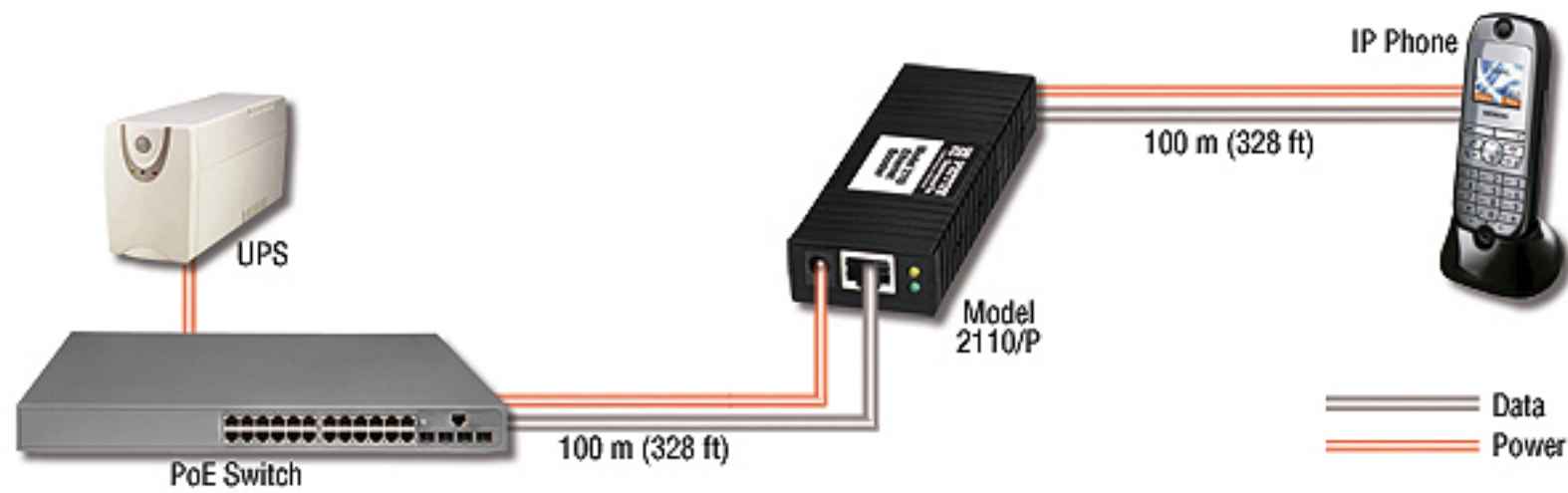
Take your network connections faster and farther over existing voice-grade wire with Patton CopperLink™ Ethernet Extenders!

# of Ethernet Ports	# of wire pairs	Max. Speed (Mbps)	Distance at Max. Speed	CopperLink™ Model
2	CAT5+ (4)	N/A	2,625 ft/0.8 km (328ft/100m per 2110)	2110
2	1	100	500 ft/0.15 km	2173
4	4	45.6	4,600 ft/1.4 km	2162
4	2	22.8	4,600 ft/1.4 km	2161
2	1	15	2,953 ft/0.9 km	2151
4	1	11.4	4,593 ft/1.4 km	2160
2	1	10	4,265 ft/1.3 km	2150
1	1	4.6	10,827 ft/3.3 km	2157
1	1	2.3	16,404 ft/5.0 km	2156

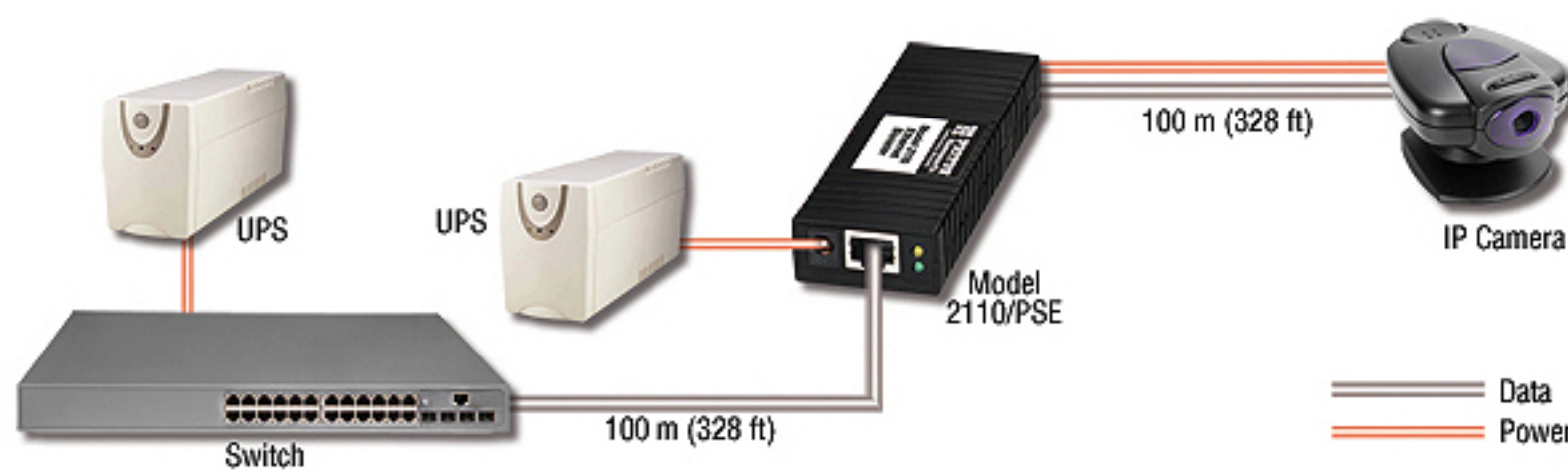
Applications

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.

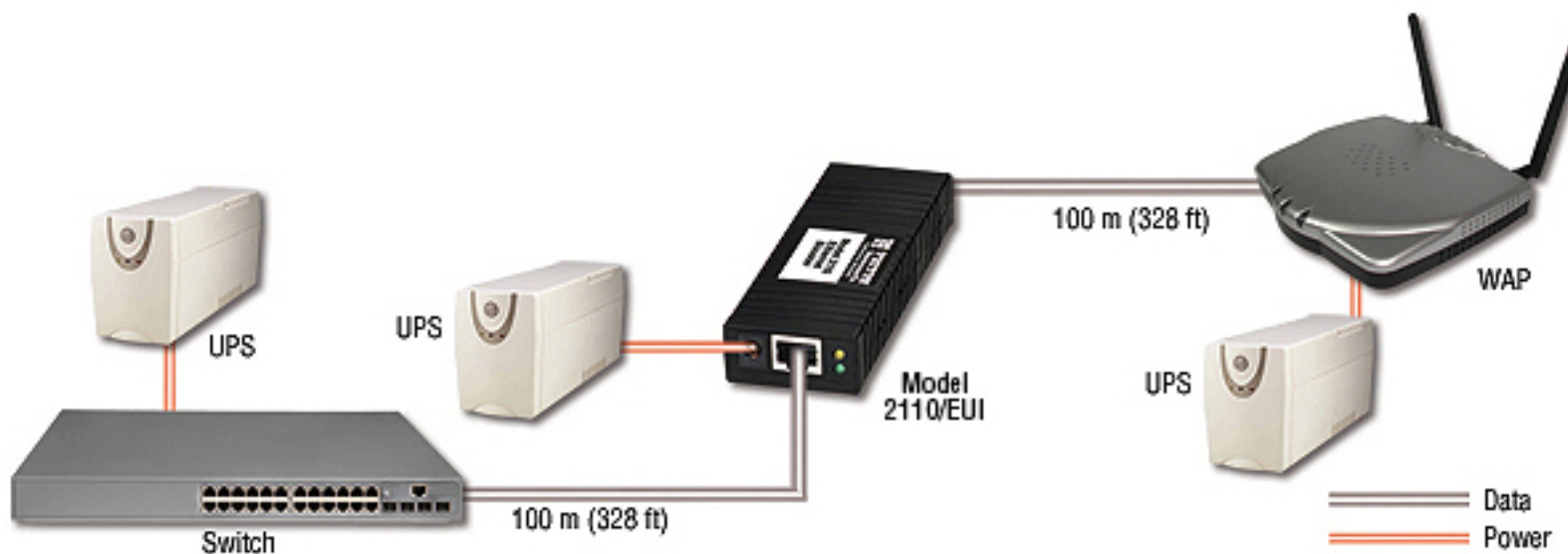
Model 2110/P: PoE Pass Through & Ethernet Extension



Model 2110/PSE: PoE Injection & Ethernet Extension



Model 2110/EUI: 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
Dimensions	3.88L x 1.75W x 0.75H in. (9.8Lx 4.4W x 1.9H cm)