

DATENBLATT

CopperLink 1101

HABEN SIE FRAGEN ODER WÜNSCHEN SIE EIN INDIVIDUELLES ANGEBOT?

Unser Team berät Sie gerne persönlich.

TELEFON + 49 (0) 81 41/36 97-0

TELEFAX + 49 (0) 81 41/36 97-30

E-MAIL info@plug-in.de

WWW.PLUG-IN.DE

ADRESSE

Am Sonnenlicht 5

D-82239 Alling bei München



PoE Ethernet Extender

CopperLink Model 1101

**COMMERCIAL
GRADE**



Energize your cable—Extend Ethernet & Power over Ethernet (PoE) using existing twisted pair(s) or coax. Benefit instantly from the power and flexibility of IP without downtime or infrastructure and installation expenses!

Ethernet Extension

Extends 10/100Base-TX Ethernet over 3,000 feet using 2-wire, 24-AWG twisted-pair, Cat 3, Cat 5e/6/7, or coaxial cable.

Delivers PoE

PowerPlus technology powers up both the remote CopperLink extender and the PoE enabled device connected to it. No power is required at the remote location.

Transparent LAN Bridging

Passes higher layer protocols, including 802.1Q VLAN tagged and untagged packets. Fully transparent to various video compression schemes such as WMV, MPEG-4 and MJPEG.

Plug and Play

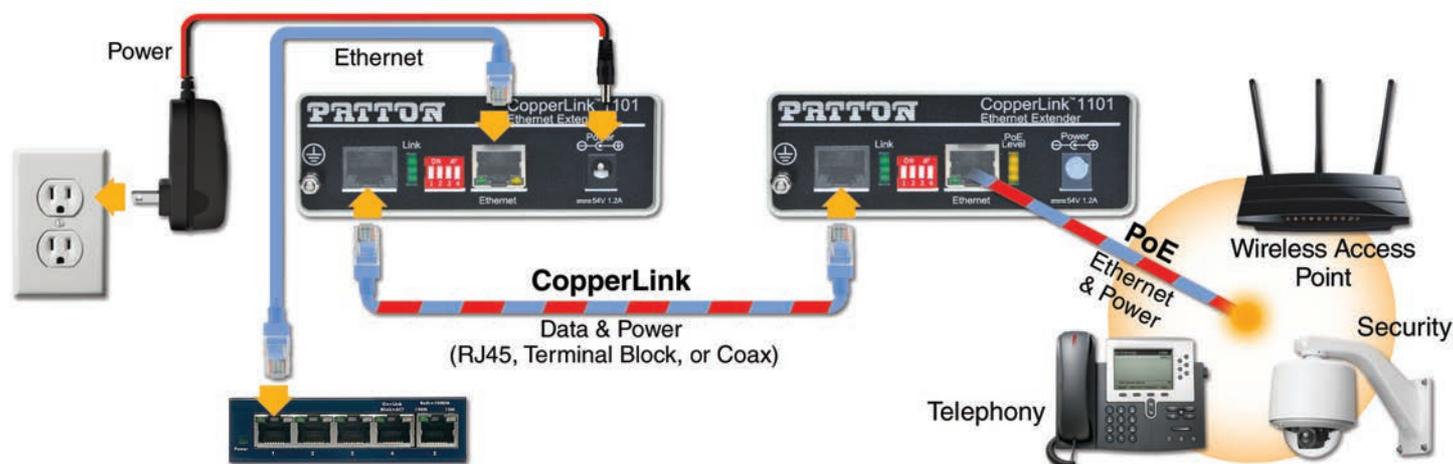
Modems need no configuration to operate, Ethernet ports are auto-sensing 10/100, full or half-duplex.

With global expansion of the Internet of Things (IoT), demand for IP/Ethernet-connected devices is soaring. Billions of devices are already capable of connecting to the Internet. Ethernet—and power-over-Ethernet (PoE) in particular—has grown in popularity because it strikes the perfect blend of speed, cost, and ease of use.

Ethernet, however, presents a few drawbacks that may overshadow the benefits by creating escalating infrastructure costs and system downtime. The Ethernet standard specifies a distance limitation of 328 ft (100 m), which restricts location options for device installation. Standard Ethernet also requires Cat 5 cabling or better, which often leads to installing new cabling infrastructure—involving tearing into walls, ceilings, pavement, and worse.

The CopperLink 1101 kit from Patton enables Ethernet connectivity over previously installed copper infrastructure. The solution breathes new life into circuits previously deployed for such traditional non-IP applications as RS232/485 controls, alarms, CCTV, analog phones, intercom speakers, and others.

Instantaneously install PoE-compliant devices such as wireless access points (WAPs), IP cameras, IP telephones, IP door stations, HVAC controls, and more—with no additional overhead cost. With the extended reach the CL1101 kit provides, you can install your IP terminal equipment exactly where you want it! Flexibility of device location is paramount in such applications as building security, where increased perimeter dimension and expanded spot coverage area are critical.



PATTON[®]
Let's Connect![™]

Extend **Power** and **Ethernet** to compliant or legacy PoE devices using already installed twisted-pair cable or coax

CopperLink™ Model 1101 PoE Ethernet Extender

Commercial Grade Power over Ethernet Extenders

CopperLink port

- Coax
- RJ45
- Terminal Block

Individual Pair Link Status (LED)

Supports up to 4 pair



CL1101 (LOCAL)
Network Side
PoE Ethernet Extender

PoE Port (10/100BaseTX)

Ethernet (10/100BaseTX)

Power Input (AC/DC Power Included)

Switch Selectable

- Forced 10 or 100 Line Rate
- Legacy or 802.3af power mode
- # Pairs used



CL1101 (REMOTE)
Device Side
PoE Ethernet Extender

Power & data performance over twisted-pair wires

	10 Mbps		100 Mbps		
	2 wire	4 wire	2 wire	4 wire	8 wire
Min. distance feet (meters)	6 (1.83)	131 (39.9)	6 (1.83)	6 (1.83)	6 (1.83)
Max. distance feet (meters)	2500 (762)	3300 (1005)	915 (278.9)	1065 (324.6)	1849 (563.6)
Link time Min. distance	5 sec	157 sec	5 sec	5 sec	5 sec
Link time Max. distance	5-10 sec	8-265 sec	5 sec	6 sec	6 sec
PoE class at Max. distance	Class 1	Class 2	Class 2/3	Class 4	Class 3/4

Power & data performance over RG59 coaxial cable

	10 Mbps	100 Mbps
Min. distance feet (meters)	6 (1.83)	6 (1.83)
Max. distance feet (meters)	4925 (1501)	1225 (323)
Link time Min. distance	5 sec	5 sec
Link time Max. distance	5-10 sec	5 sec
PoE class at Max. distance	Class 2/3	Class 4

Industrial Grade Power over Ethernet Extenders



CL1101E-SKD
PCA/OEM Board



CL1101E
DIN Mount



CL1101E
Outdoor (IP66)

CALL FOR DETAILS

Specifications*

Line Interfaces (Data)

1 x RJ45 (Optional: Terminal Block, Coax)

Supports 1-4 pairs

Ethernet Interfaces

1 x RJ45 Auto-Sensing 10/100Base-TX with full or half-duplex operation

LEDs

Power, Line, (10 or 100 operation), Eth, and PoE

Protocol

Transparent to high layer protocol

Supports 802.1Q VLAN tagged frames

Transparent to IP video schemes

Fully transparent to compression schemes such as WMV, MPEG-4, and MJPEG

Power Injection (PSE only)

DC voltage on Ethernet port 54 VDC

Power Consumption

1.5 W

Power Supply

External AC Adapter 100-240 VAC to 54 VDC

Input: 30-57 VDC (Recommended 54 VDC)

Environment

Temperature: 0 to 50°C (standard)

Humidity: 10 to 95% (non-condensing)

Physical

0.71 H x 1.1 W x 2.56 D in. (18 H x 28 W x 65 D mm)
0.78 oz (22 g)

MTBF

83,043 hours

Compliance

FCC Part 15A, Class B

CE Mark

EMC Directive 89/336/EEC
LVD Directive 73/23/EEC

Made in **USA**



07MCL1101-DS3

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* Specifications subject to change without notice.