



CopperLink™ E1 Extender Model 2113A

The CopperLink™ 2113A is a transparent, plug-and-play E1 Extender that solves the distance and wire limitations of TDM technology by tripling the reach and halving the number of required wire pairs.

Triple the Distance

Extend E1s to nearly 5 km over one pair of wires.

Half the Wires

The E1 extender only needs one pair of wires to operate.

Voice and Data Extension

The E1 Extender operates in clear channel mode allowing the transparent passing of voice and data.

Plug and Play

Plug the 2113A in and the link comes up in seconds. The line interface is even polarity insensitive, making it easier to get running.

Line Tests

V.52 511/511E Pattern Generator with Remote Digital Loopback (RDL); Local Analog Loopback (LAL).

Front Panel Status Indicators

Front panel LEDs provide users with quick feedback on unit operation.

Patton's Model 2113A E1 Extender is the perfect choice for enterprises, integrators, and service providers needing to extend E1 circuits beyond their typical reach while conserving the number of wire pairs used.

With the CopperLink™ 2113A extender, **zero** configuration is required. They operate in clear-channel mode, thereby facilitating the transparent extension of data and voice bearing circuits. The two active pins on the RJ connector are polarity insensitive, so you don't even need to worry about which wire you connect on the line interface. Simply take them out of the box, put them on either side of the dry copper pair, connect your E1 device and the circuit will light up immediately!

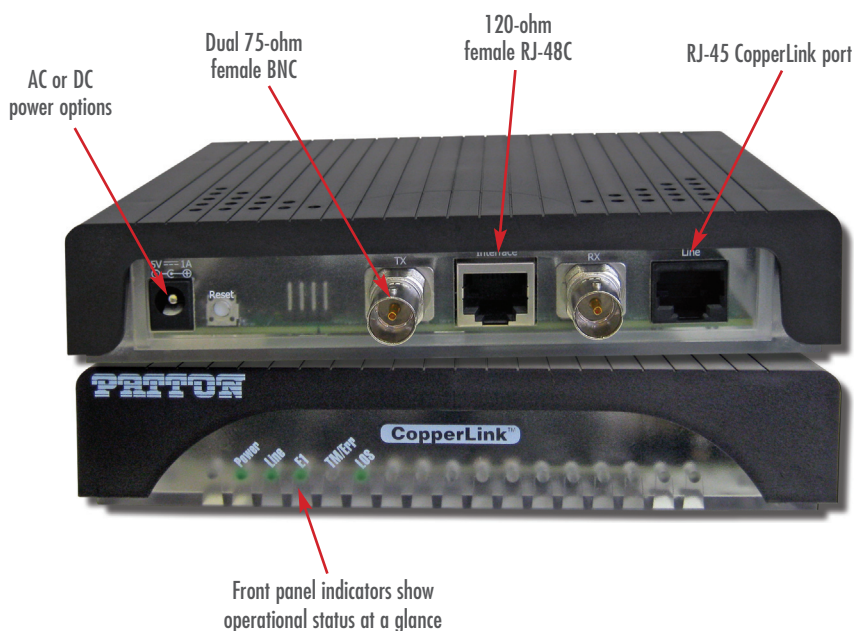
The Model 2113A extends E1 circuits to 16,100 feet (4,900 meters, nearly 5 km). The 2113A requires only two wires (one pair) to extend the TDM circuits, thereby conserving and minimizing the copper plant resources used.



*Special Rates Available
Call for Details*

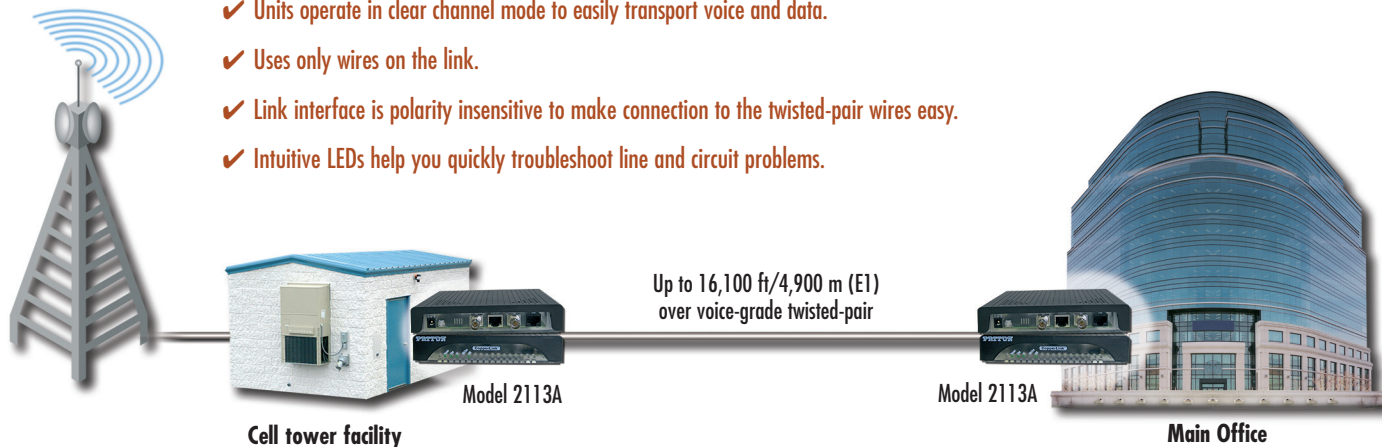
For these reasons, the CopperLink™ 2113A extender is the ideal solution for most popular applications such as E1 backhaul from a remote site, E1 relocation, E1 extension across a campus or between buildings, and last-mile TDM delivery.

Visit www.patton.com for more information.



Typical Applications

- ✓ The CopperLink™ simplifies transparent E1 extension.
- ✓ Plug-and-Play—units automatically link up when placed on opposite sides of a dry copper wire pair.
- ✓ Units operate in clear channel mode to easily transport voice and data.
- ✓ Uses only wires on the link.
- ✓ Link interface is polarity insensitive to make connection to the twisted-pair wires easy.
- ✓ Intuitive LEDs help you quickly troubleshoot line and circuit problems.



Specifications

Circuit Connector

Dual 75-Ohm female BNC and single 120-Ohm female RJ-48C

Supported Line Tests

V.52 511/511E Pattern Generator with RDL • LAL

Clocking

CO unit preset for Network Clock • CPE unit preset for Receive Recover

Management

DIP switch

Line Coding

16-constellation TC-PAM

Line Interface

Female RJ-11 using pins 2 & 3 • Two wires (single twisted-pair)

MTBF

4.7 years

Front Panel Indicators

Power, Line, E1, Test, LOS (framing errors/clock slips)

Power Supply

External power supply options: Universal 90–260 VAC operating from 50–60 Hz • 120 VAC/60 Hz • 240 VAC/60Hz • -48 VDC

Compliance

FCC Part 15A • CE Mark • EMC Directive 89/336/EEC • Low-Voltage Directive 73/23/EEC

Environment

Operating Temp.: 32–122°F (0–50°C)
Humidity: 5–90% non-condensing

Dimensions

4.7 x 1.52 x 5.0 in. (10.6 x 3.9 x 12.7 cm)



Patton Electronics Co.
7622 Rickenbacker Drive
Gaithersburg, Maryland 20879
USA
Phone +1 301 975 1000
Fax +1 301 869 9293
E-mail sales@patton.com
Web www.patton.com

PE-Inalp Networks Private Ltd
Old No. 14 and New No.6,
Brahadambal Road,
Nungambakkam High Road
Chennai: 600 034, India
Phone +91 44 45490395/6/7
Fax +91 44 4549.0394
Email sales@patton.co.in
Web www.patton.co.in

Patton-Inalp Networks AG
Meriedweg 7
CH-3172 Niederwangen
Switzerland
Phone +41 (31) 985 25 25
Fax +41 (31) 985 25 26
E-mail sales@inalp.com
Web www.inalp.com

07M2113A-DS1

Patton is a registered trademark, and is a trademark of Patton Electronics Company in the United States and other countries.