EnviroNET™ T1/E1 Transport Extenders

Patton's EnviroNET Extended Temperature T1/E1 Transport Extenders makes it easy to terminate a T1/E1 in a remote, environmentally exposed location.

T1/E1 Port Extension
Extends T1/E1 and fractional T1/E1 circuits over twisted pair up to 8.5km.

Extended Temperature -40 to 85ºC
Operates in environments that do not have heating or cooling options

NEMA 4 Case
Protection against elements including dirt, rain, sleet, snow, dust, and the external formation of ice on the enclosure

Configurable fractional rates
Increase the reach by configuring only the number of DS0s that are being used

Remotely Manageable
ConsoleConsole management of local and remote unit without needing a DSLAM or concentrator.

P atton's EnviroNET T1/E1 Transport Extenders are the ideal choice for users who need to extend their T1/E1 connections to locations where environmental elements cannot be controlled. EnviroNET T1/E1 Transport Extenders extend the reach-and-range of T1/E1 links, delivering rate-adaptive nx64 symmetrical speeds from 64 kbps to 2.048 Mbps over a single twisted pair at distances up to 8.5 km. The T1/E1 Transport Extenders will automatically adapt the line rate based on existing line conditions.

Patton's EnviroNET T1/E1Transport Extenders are housed in a NEMA 4 enclosure and operate in extreme temperatures, ranging from -40 to 85°C. EnviroNET T1/E1 Transport Extenders are the ideal solution for extending or providing T1/E1 terminations to locations where conditions such as heating, cooling, dust, and moisture cannot be controlled.

Typical applications for Patton's EnviroNET T1/E1 Transport Extenders include extending T1/E1s beyond a line of sight limited, wireless T1/E1 outdoor location into an end user location.
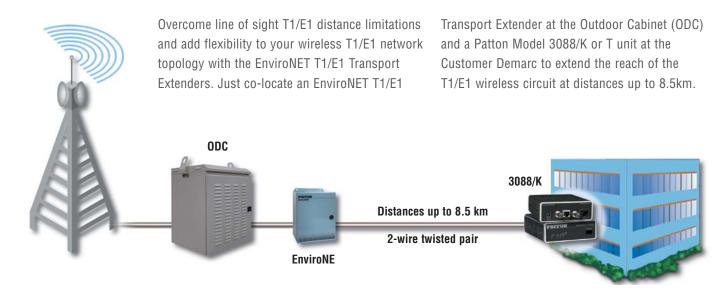
Visit www.patton.com for more information.

✔ **Industrial temperature ratings from -40 to 85ºC on the ET Series**

✔ **Remotely manage the EnviroNET without a DSLAM or Concentrator**

✔ **NEMA 4 enclosure offers protection from dirt, rain, sleet, snow, dust and even the formation of ice!**

✔ **Maximum line rates of 2.3 Mbps ~or~ distances of up to 8.5 km!**

✔ **Interface options**

EnviroNET™ T1/E1 Transport Extenders

PATTON

Overcome line of sight T1/E1 distance limitations and add flexibility to your wireless T1/E1 network topology with the EnviroNET T1/E1 Transport Extenders. Just co-locate an EnviroNET T1/E1

Transport Extender at the Outdoor Cabinet (ODC) and a Patton Model 3088/K or T unit at the Customer Demarc to extend the reach of the T1/E1 wireless circuit at distances up to 8.5km.

ODC

3088/K

Distances up to 8.5 km

2-wire twisted pair

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Product Selection Table

Model#	Std Indoor Pair	Temp Rating	Case Rating	Media Type	E1/T1 Interface*	Max Distance (24AWG)
ET3088/K	3088/K	-40 to 85ºC	NEMA 4	2-Wire Twisted Pair	Dual BNC/RJ48C	8.5km (5.3 miles)
EH3088/K	3088/K	0 to 50ºC	NEMA 4	2-Wire Twisted Pair	Dual BNC/RJ48C	8.5km (5.3 miles)
ET3088/T	3088/T	-40 to 85ºC	NEMA 4	2-Wire Twisted Pair	RJ48C	8.5km (5.3 miles)
EH3088/T	3088/T	0 to 50ºC	NEMA 4	2-Wire Twisted Pair	RJ48C	8.5km (5.3 miles)

*Indoor desktop option also available!

Specifications

General Product Specifications ET Extended Temperature Product

Operating Temperature
-40 to 85°C (-40 to 185° F)

Dimensions
203 L x 114 W x 292 H mm (8.0 L x 4.5 W x 11.5 H in.)

Weight
3.86 kg (8.5 lbs)

General Product Specifications EH Environmentally Enhanced Product

Operating Temperature
0 to 50°C (32 to 122°F)

Interface
T1/E1; Dual BNC and RJ-48C

Testing Parameters
V.52 511/511E Pattern Generator with RDL; LAL

Clocking
Internal, Network or Receive Recover Clocking

Line Coding
TC-PAM 16 for rates from 64 kbps to 2.3 Mbps; TC-PAM 32 for rates above 2.3 Mbps; Annex A & B

Line Interface
RJ-11; Two Wire (single twisted pair)

Management
DIP switch (all models except 3088/I), console, remote console or proxy SNMP from a Central Office ForeFront

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