



# 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 85°C

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

Console/Console management of local and remote unit without needing a DSLAM or concentrator.

Patton'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/E1 Transport 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](http://www.patton.com) for more information.



- ✓ Industrial temperature ratings from -40 to 85°C 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



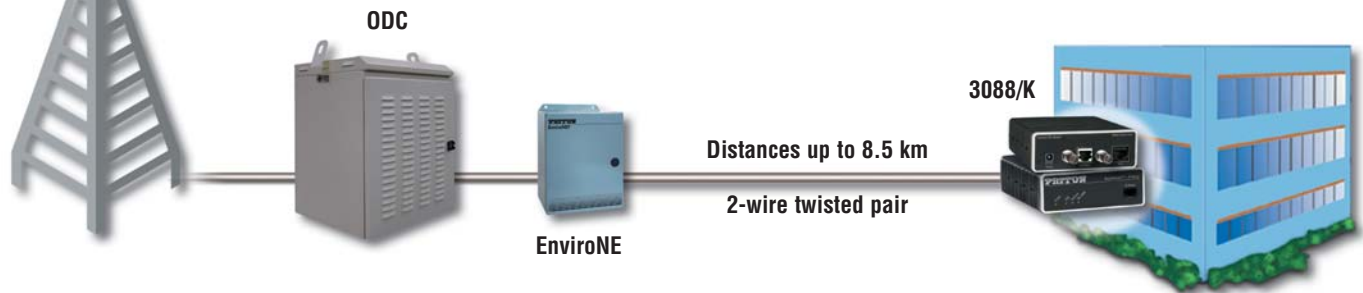
EnviroNET™ T1/E1 Transport Extenders

## Typical Application



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.



## 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 85°C	NEMA 4	2-Wire Twisted Pair	Dual BNC/RJ48C	8.5km (5.3 miles)
EH3088/K	3088/K	0 to 50°C	NEMA 4	2-Wire Twisted Pair	Dual BNC/RJ48C	8.5km (5.3 miles)
ET3088/T	3088/T	-40 to 85°C	NEMA 4	2-Wire Twisted Pair	RJ48C	8.5km (5.3 miles)
EH3088/T	3088/T	0 to 50°C	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

07MT1E1-DS4

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