



# EnviroNET™ Ethernet Extenders

*Extensive range of environmentally hardened and extended temperature solutions for extending Ethernet connections at distances up to 8 km over phone-grade twisted-pair!*

### Ethernet Extension

*Extends 10/100Base-TX Ethernet at distances up to 8km over 2-wire 24 AWG unconditioned lines*

### Extended Temperature -40 to 85°C

*Operates in environments that do not have heating or cooling options*

### NEMA 4 Case

*Protection against elements such as dirt, rain, sleet, snow, dust, and that will be undamaged by the external formation of ice on the enclosure*

### Auto-sensing Full-Duplex Ethernet

*Auto 10 or 100Base-TX and full or half-duplex Ethernet operation*

### Transparent LAN Bridging

*Passes higher layer protocols and supports 802.1Q VLAN tagging*

The EnviroNET™ Ethernet Extenders provide transparent extension of your 10/100 Ethernet LANs at distances up to 8 km over a single twisted pair or line rates up to 50 Mbps! EnviroNET Ethernet Extenders operate at line rates from 192 kbps to 50 Mbps depending on the model selected.

Patton's EnviroNET Ethernet Extenders are housed in a NEMA 4 enclosure and operate in extreme temperatures, ranging from -40 to 85°C. EnviroNET Ethernet Extenders are the ideal solution for extending or providing Ethernet terminations to locations where

harsh environmental elements such as heating, cooling, dust, and moisture cannot be controlled.

EnviroNET Ethernet Extender applications include closets, ceilings, industrial automation, roadside cabinets, and various outdoor installations such as security and transportation access/control/surveillance. All EnviroNET Ethernet Extenders offer multiple line rate options to ensure the highest possible data rate is achieved over various lengths and types of copper wire and environments.

Visit [www.patton.com](http://www.patton.com) for more information.



- ✓ NEMA 4 enclosure offers protection from dirt, rain, sleet, snow, dust and even the formation of ice!
- ✓ AutoRate adaptation models available.
- ✓ Maximum line rates of 50 Mbps symmetrical  
~or~  
Distances of up to 8 km!
- ✓ Auto-Sensing full or half duplex 10/100Base-TX LAN port
- ✓ Industrial temperature ratings from 40 to 85°C on the ET Series



## Typical Application

The Patton EnviroNET Ethernet Extender offers a reliable and robust solutions for connecting peered 10/100Base-T Ethernet LANs; reaching remote PCs and equipment; or delivering last-mile ISP services—at line rates up to 50 Mbps! Patton's EnviroNET allows the Ethernet Extenders to operate under harsh

temperatures -40 to 85°C and resist various environmental elements such as dust, rain, snow, sleet, etc. Just co-locate an EnviroNET Ethernet Extender at any outdoor data acquisition location and pair it up with an equivalent Patton Ethernet Extender inside the building.



## Product Selection Table

Model#	Std Indoor Pair	Temp Rating	Case Rating	Media Type	Max Line Rate	Max Distance
ET2172/R	2172/L	-40 to 85°C	NEMA 4	2-Wire Twisted Pair	50 Mbps	2.1 km (1.3 miles)
EH2172/R	2172/L	0 to 50°C	NEMA 4	2-Wire Twisted Pair	50 Mbps	2.1 km (1.3 miles)
ET2168/R	2168/L	-40 to 85°C	NEMA 4	2-Wire Twisted Pair	16 Mbps	1.2 km (4,000 ft)
EH2168/R	2168/L	0 to 50°C	NEMA 4	2-Wire Twisted Pair	16 Mbps	1.2 km (4,000 ft)
ET2157/R	2157/L	-40 to 85°C	NEMA 4	2-Wire Twisted Pair	4.6 Mbps	8 km (5 miles)
EH2157/R	2157/L	0 to 50°C	NEMA 4	2-Wire Twisted Pair	4.6 Mbps	8 km (5 miles)
ET2156/R	2156/L	-40 to 85°C	NEMA 4	2-Wire Twisted Pair	2.3 Mbps	8 km (5 miles)
EH2156/R	2156/L	0 to 50°C	NEMA 4	2-Wire Twisted Pair	2.3 Mbps	8 km (5 miles)

## Specifications

### General Product Specifications for 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)

#### 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)

07MEEE-DS3

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



Meriedweg 7  
CH-3172 Niederwangen  
Phone +41 (31) 985 25 25  
Fax +41 (31) 985 25 26  
E-mail [sales@inalp.com](mailto:sales@inalp.com)  
Web [www.inalp.com](http://www.inalp.com)



7622 Rickenbacker Drive  
Gaithersburg, MD 20879 USA  
Phone +1-301-975-1000  
Fax +1-301-869-9293  
E-mail [sales@patton.com](mailto:sales@patton.com)  
Web [www.patton.com](http://www.patton.com)