



# EnviroNET™ Voice-over-IP Gateways

Patton's EnviroNET Voice-over-IP Gateways provide a reliable, robust, and secure solution for converting your Analog FXS/FXO or Digital ISDN circuits to VoIP in harsh environments.

### Convert Analog or Digital to IP

Convert your Analog (POTS) or Digital (ISDN) circuits to IP for toll quality VoIP services

### Extended Temperature -40 to 85°C

Operates in environments that do not have heating or cooling options

### Firewall, NAT, DHCP, PPPoE

Connect to any broadband or access provider, serve the whole network, and secure your data. User configurable IP services ensure every host is connected to the LAN

### IPSEC VPN, Encryption, & VLAN

Connect your Analog or Digital circuit for IP access and secure your voice with optional IPSEC with DES/3DES or AES encryption. VLAN tagging/stripping allows advanced networking today

### NEMA 4 Case

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

Patton's EnviroNET Voice-over-IP Gateways, Model ET4500 series, reaches into rugged environments with IP-telephone circuit conversion for toll quality VoIP services anywhere you want. The ET4500 series utilizes advanced adaptive voice/data traffic management and shaping with the addition of Patton's patent-pending DownStreamQoS™ to offer unparalleled performance of voice quality services. The ET4500 series use standard CODECs such as G.723 and G.729 as well as industry standard SIP, H.323 and MGCP/IUA to ensure seamless connections and compatibility for all voice services.

Patton's EnviroNET Voice-over-IP Gateways are housed in a NEMA 4 enclosure and oper-

ate in extreme temperatures, ranging from -40 to 85°C. EnviroNET Voice-over-IP Gateways are the ideal solution for providing VoIP services to locations where harsh environmental conditions such as heating, cooling, dust, and moisture cannot be controlled.

Typical applications for Patton's EnviroNET Voice-Over-IP Gateways include providing VoIP capabilities to public and private outdoor phones, industrial automation, and curbside services.

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



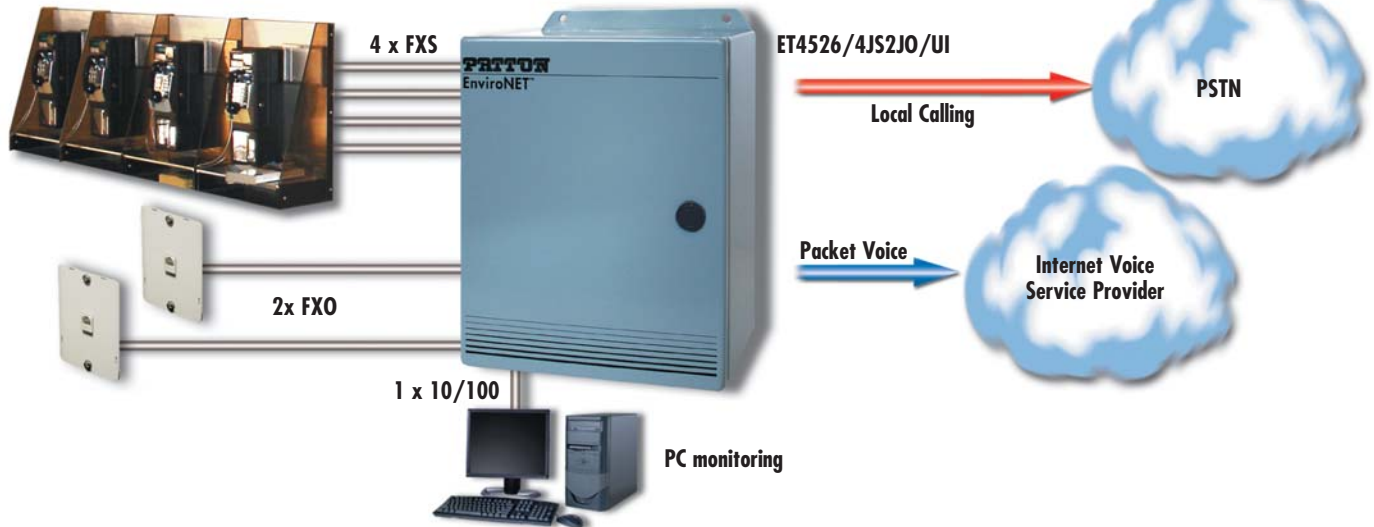
- ✓ Industrial temperature ratings from -40 to 85°C on the ET Series
- ✓ Complete enterprise router with IPSEC, PPPoE, DHCP, & NAT
- ✓ NEMA 4 enclosure offers protection from dirt, rain, sleet, snow, dust and even the formation of ice!
- ✓ Quality of Service guarantees clear voice for all connections
- ✓ Analog FXS/FXO and Digital ISDN/BRI voice connectivity



## Typical Application

Extending Patton's EnviroNET Voice-over-IP Gateway routers into exposed environments for seamless access between remote packet-voice and local PSTN telephony. Using ToIP call switching, distinctive ring, and Caller-ID a single handset can now access the right service at any time. With Patton's ClearConnect™

fail-over protection a phone call will be completed. Network health monitoring and ToIP switching ensures a clear call even if the IP network is down. Patton's EnviroNET protective enclosures give service providers unlimited installation locations.



## Product Selection Table

Model#	Temperature	Case Rating	Voice Connectivity	Ethernet Connectivity
ET452X/JS/UI	-40 to 85°C	NEMA 4	2-6 FXS	2 x 10/100
EH452X/JS/UI	0 to 50°C	NEMA 4	2-6 FXS	2 x 10/100
ET452X/JO/UI	-40 to 85°C	NEMA 4	2-4 FXO	2 x 10/100
EH452X/JO/UI	0 to 50°C	NEMA 4	2-4 FXO	2 x 10/100
ET4524/2JS2JO/UI	-40 to 85°C	NEMA 4	2 FXS/2 FXO	2 x 10/100
EH4524/2JS2JO/UI	0 to 50°C	NEMA 4	2 FXS/2 FXO	2 x 10/100
ET4526/4JS2JO/UI	-40 to 85°C	NEMA 4	4 FXS/2 FXO	2 x 10/100
EH4526/4JS2JO/UI	0 to 50°C	NEMA 4	4 FXS/2 FXO	2 x 10/100
ET4528/4JS4JO/UI	-40 to 85°C	NEMA 4	4 FXS/4 FXO	2 x 10/100
EH4528/4JS4JO/UI	0 to 50°C	NEMA 4	4 FXS/4 FXO	2 x 10/100
ET4552/2BIS/EUI	-40 to 85°C	NEMA 4	2 ISDN (BRI)	1 x 10/100; 4 x 10/100 Switch

## 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)

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



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