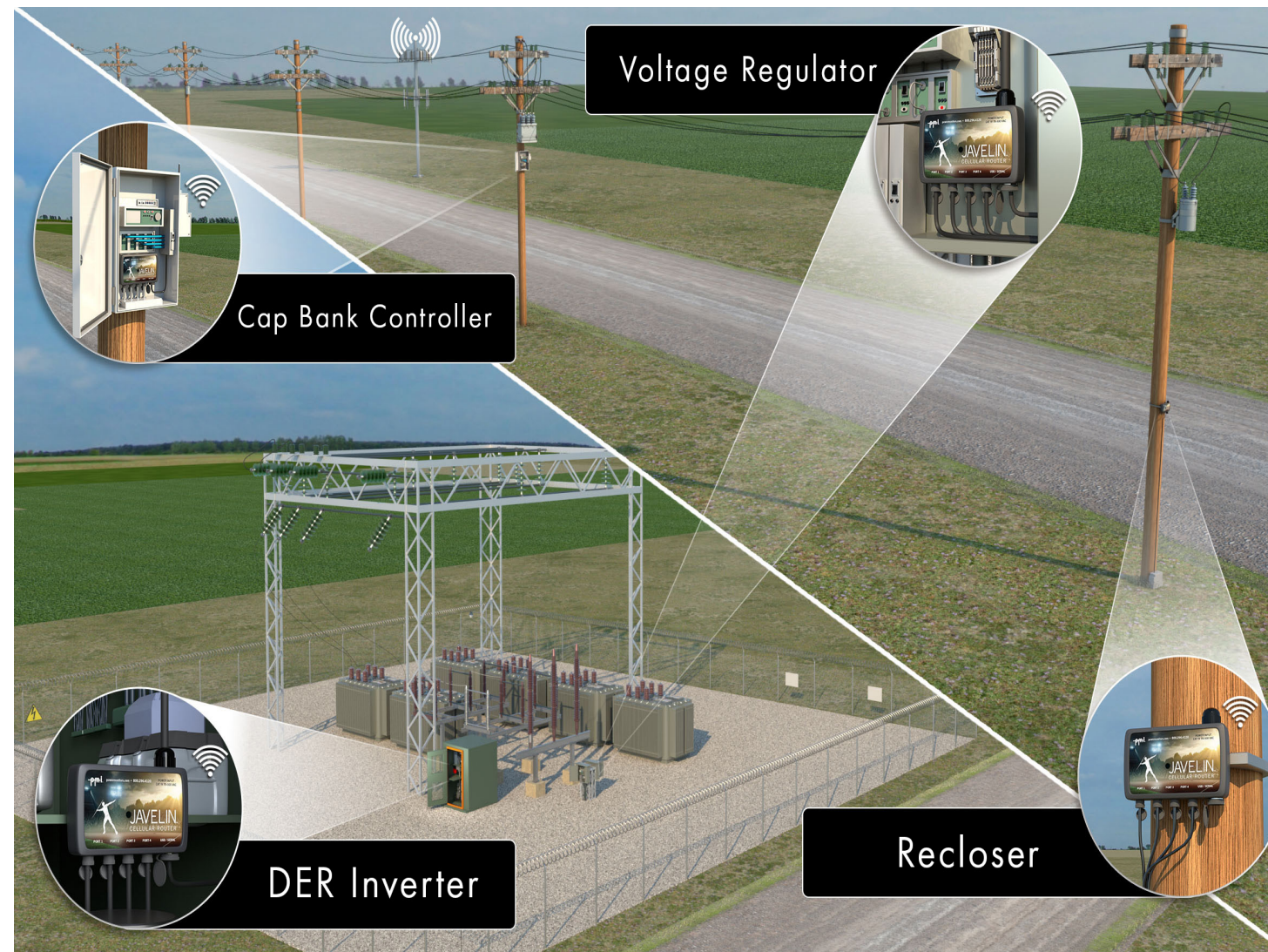


JAVELIN

CELLULAR ROUTER

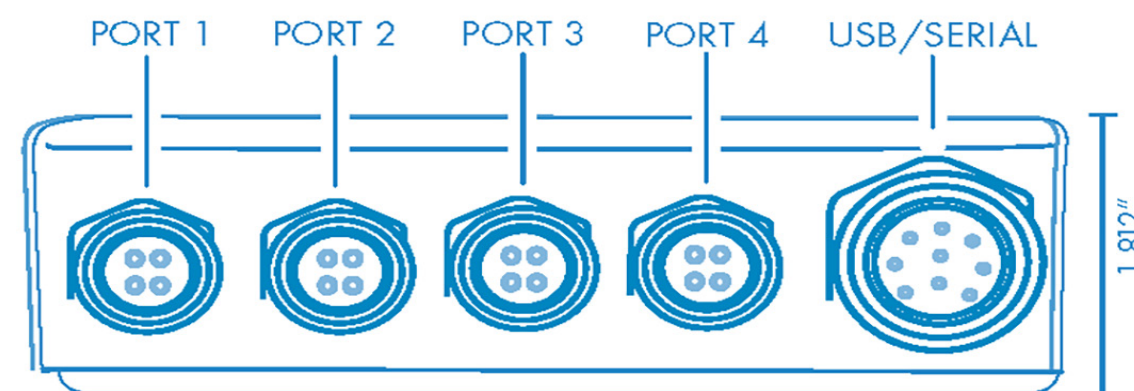
SUPPORTS ALL YOUR REMOTE DEVICES



The JAVELIN vs Existing Solution

The Javelin is the only networking solution designed specifically for electric utilities. The all-in-one solution includes a rugged, 70-600 VAC, CAT III rated internal power supply, embedded LTE cell modem and antenna, NEMA 4X non-metallic weatherproof enclosure, magnetic mounting bracket, and RMS voltage measurement options. Installation is fast and easy on a power pole, on the secondary of a transformer, or anywhere in the field cell communications are needed. Use the Javelin to easily connect RS-232 or Ethernet-based devices like capacitor banks, voltage regulators, reclosers, and RTUs to SCADA, DERMS, and other automation systems.

ETHERNET



Features	Javelin	Competitors
Purpose Built for Utilities	YES	NO
Internal 70-600 VAC Power Supply	YES	NO
Weatherproof Enclosure	YES	NO - purchased separately
Internal or External Antenna	YES	NO - purchased separately
Multiple Ethernet Ports	YES	NO - purchased separately
Non-Metallic Enclosure	YES	NO
Voltage Measurement	YES	NO
Email and SMS Notifications	YES	NO

JAVELIN

CELLULAR ROUTER



Features & Benefits

Features

- Four Ethernet Ports
- RS-232 Port
- Internal Antenna and Cell Modem
- NEMA 4X Weatherproof Enclosure
- 70-600V CAT III power input
- Optional Canvass voltage monitoring

Built for Utilities

The Javelin is the world's first cellular router designed for electric utilities. The all-in-one solution includes built-in 70-600V CAT III fused power supply, internal cell modem and antenna, weatherproof enclosure, multiple communication ports, and even RMS voltage measurement capabilities. The IT-friendly networking and security features make the Javelin the perfect solution for networking utility field equipment.

Specifications

VOLTAGE MEASUREMENT	70-600 V RMS
Accuracy	0.50%
Resolution	0.1 V
POWER SUPPLY REQUIREMENTS	
Voltage	60-600 VAC (47-63 Hz)
Power Consumption	5 Watts max, 15 VA max at 600 V
COMMUNICATION	
Cellular	Internal CAT 1 LTE modem, bands 4 and 13
Ethernet	4 independent 10/100 auto-sensing ports
Serial	RS-232, 4800-115200 bits/sec, forwarded through TCP
USB	High speed USB 2.0 peripheral
ANTENNA	
Internal	Omnidirectional
External (Optional)	SMA connection to antenna kit
ENVIRONMENTAL	
Temperature Range	-22° F to 130° F
PHYSICAL DIMENSIONS	
Size	5.06" L x 3.35" W x 1.84" H
Weight	Less than 1 lb
Case	NEMA 4X

Benefits

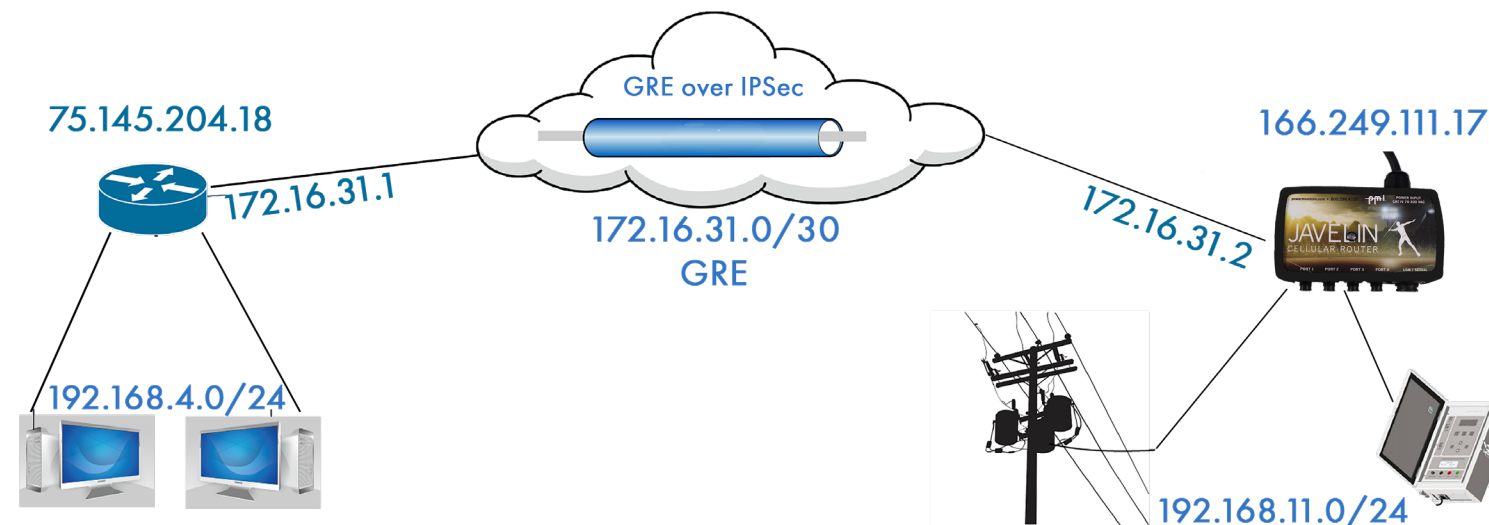
- Extend the Reach of your SCADA system
- Fast Setup and Installation for Smart Grid Project Developments
- Turn Inaccessible Legacy Devices into Modern Smart Grid Nodes
- Built-in Voltage monitoring
- All-in-One Complete Solution for Cellular Networking

24/7 Technical Support

Call Us Anytime

PMI products include unlimited phone support from our expert Technical Support team at no charge, seven days a week, twenty-four hours a day,

If you can't find the answer to your question on our web site, give us a call at (800) 296-4120.



Flexible Communications Options

COMMUNICATION PORTS

Four Ethernet Ports

- Weatherproof connectors/cables
- Ruggedized CAT III 600V insulation
- Independent 10/100 Base-T ports
- Auto crossover sensing

RS-232 Port

- 4800 to 115200 baud
- DB-9 connection
- 1:1 TCP connector for networking serial equipment
- RTS/CTS flow control

USB Port

- High speed 2.0 peripheral port
- Provides access to internal web configuration page
- Can provide cell networking to attached laptop

LAN & Security Features

Networking Features

- DNS, DNS proxy
- Custom routing rules
- Data pass-through to RS-232 port (IP to serial)
- WAN/LAN traffic logging
- DHCP client (default) or server
- DHCP server with static address assignments
- Port forwarding
- NAT
- IP to serial translator

Security Features

- IPsec data encryption
- Programmable firewall
- GRE tunneling
- Secure Sockets Layer (SSL) client
- Local address required for network configuration
- MAC address filtering
- Syslog
- HTTPS web interface (USB only)
- No default passwords
- Enable/disable ethernet ports

Applications

Network Your Equipment

- Capacitor Bank Controller
- Voltage Regulator
- Tap Changing Transformer
- Recloser
- Substation Network
- Remote RTU/IED
- Distributed Generation

CANVASS™

Cloud-based Distribution Monitoring

- Use a web browser to see the state of your distribution system at a glance in a map-based display
- Access stripcharts, histograms, and daily profile graphs
- Compare voltage, current and power from different locations, and find correlations across a distribution system

Live Data and Event Notifications

- Programmable email and text message alerts for voltage threshold exceedences, outages, or other events
- Get real-time readings in the device status window
- View up-to-the-minute data anywhere with a web browser

Applications

- Distribution situational awareness
- CVR or Volt/VAR optimization tuning and monitoring
- Outage notification
- End of Line Monitoring

