

# VERSACOMMS GATEWAY

## VC-93x Broadband IP Gateway



VC LAN CAPACITY COMPARISON			
MODEL	VC-931	VC-932	VC-934
MAX LAN SIZE*	250	500	1,000
MAX ERT ENDPOINTS*	6,000	12,000	24,000

\*Maximum capacity of TUNet® or ERT® devices;  
\*Actual max capacity is dependent on LAN mode/density

The VC-93x VersaComms Gateway ensures fast and flexible data communications via Ethernet. It is designed as a flexible, high capacity network communications device for utilities to support network coverage where required.

The VersaComms Gateway product line serves as a core Tantalus backbone for Smart Grid applications including AMI, Demand Response, and Distribution Grid Optimization. Its mix-and-match modular design allows utilities to customize each device with the optimal mix of WAN/FAN/LAN communications.

The VersaComms Gateway's rapid, reliable communications with TUNet®-enabled endpoints enables TRUPush™, the push-based delivery of metering data to the utility headend in near real-time. This improves operational response time and customer satisfaction through features such as 5-minute interval data, on-request reads, outage and restoration alerts/notifications and remote disconnect/reconnect. The VersaComms Gateway also relays Itron ERT® and Badger Orion® metering data, collected by TUNet® endpoints, and delivers it to the utility's headend.

The VersaComms Gateway product series is the most versatile TUNet® gateway available. It provides lightning-fast connectivity and virtually limitless SmartGrid scalability.

The VersaComms Gateway includes a low voltage power delivery system used for power provisioning and backup for externally-mounted telecommunications equipment such as ONTs (Optical Network Terminals), Ethernet routers, WiMAX, cable routers, and UPS modules.

### UTILITY ADVANTAGES WITH TUNet® VERSACOMMS GATEWAY

- Provides high-capacity communications in challenging rural and urban environments
- Supports advanced TUNet® applications such as Demand Response, DA-Grid Optimization, and Streetlight Control
- Compact, rugged weather-proof construction; secure, lockable enclosure
- Supports multiple protocols TUNet®, Itron ERT® and Badger Orion®
- Can be used for power provisioning to externally-mounted telecommunications equipment such as ONTs, Ethernet and cable routers, and UPS modules
- TUNet® WAN options (wireless RF, Fiber, LTE/cellular, Ethernet, WiFi, WiMAX, satellite) can be combined to meet economic, coverage and redundancy needs

LAN Radio	Physical	Environmental
<ul style="list-style-type: none"> <li>• Frequency range: 902 - 928 MHz; unlicensed</li> <li>• Transmitter power: 1.0 watts (EIRP +33 dBm)</li> <li>• Antenna: Up to 4 chassis-mounted, 1 internal</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensions: 18"H x 12"W x 8"D (46cm H x 31cm W x 20cm D)</li> <li>• NEMA 4X construction</li> </ul>	<ul style="list-style-type: none"> <li>• Operating temperature: -40F to +149F (-40C to +65C) when installed with optional extended temp range battery</li> <li>• Humidity: 5% to 95%</li> </ul>
	<p style="text-align: center;"><b>Auxiliary Load Supported</b></p> <ul style="list-style-type: none"> <li>• 20 - 30 W at 11 - 15 VDC</li> </ul>	
<p style="text-align: center;"><b>Power Input</b></p> <ul style="list-style-type: none"> <li>• Supply: 90 to 305 VAC at 50/60 Hz</li> <li>• Quiescent consumption: 6-18 watts steady state</li> <li>• Battery backed up for receiving extended outage reports</li> </ul>	<p style="text-align: center;"><b>Battery Uptime at Max Auxiliary Load</b></p> <ul style="list-style-type: none"> <li>• 3 hours</li> </ul>	<p style="text-align: center;"><b>Alarms/Indicator Options</b></p> <ul style="list-style-type: none"> <li>• Power Outage</li> <li>• Discreet External Power Indicator</li> <li>• Low Battery (future)</li> <li>• Tamper/Cover Open (future)</li> </ul>