



TRUConnect™ Edge

Intelligent endpoint and AMI communication module for the
Itron CENTRON® C1S Meter

Description

TRUConnect Edge provides Itron CENTRON C1S meters with two-way wireless communications through the TRUConnect Network - the Tantalus utility network that connects the entire distribution system so a utility can gather better information and achieve a new level of operational, business and customer service control and efficiency.

TRUConnect Edge equipped meters provide utilities with accurate billing data as well as grid edge analytics such as peak demand tracking and voltage analytics.

For utilities looking to upgrade their Itron, Neptune or Badger AMR system to a fixed network, TRUConnect Edge equipped meters will actively collect and relay Itron ERT™ electricity, water and gas data; and Neptune R900® and Badger ORION® CE water and gas readings back to the head office, prolonging the useful life of those assets.

Features/ Benefits

- All consumption and voltage data is pushed to the head end every interval; this is vital for grid edge optimization
- TRUPush™ technology for instant, field-initiated event notifications such as outage alerts and load shed confirmations
- Two-way, 24/7 wireless communications to Itron C1S meters
- Highly granular interval data for flexible rate designs
- On-request reads allow customer service to respond to inquiries and to closely monitor endpoints remotely
- Over-the-air meter configuration and firmware updates for future enhancements
- Peak Demand
- Net Metering
- TRUScan reading capability for Itron ERT, Neptune R900 and Badger ORION CE MIUs

TRUConnect™ Edge

Product Specifications

Data Reported	
	<ul style="list-style-type: none">• kWh• Net Metering (delivered, received, sum, net)• Voltage on configurable intervals (Min, Max, Instantaneous, 85 - 130V, 170 - 260V, $\pm 1\%$)• Optional 15/5 Rolling kW Demand• User defined interval data: 5, 10, 15, 30, 60 minutes• Blink Counts, Sag & Swells Alerts
Meter Forms Supported	
C1S (120V)	<ul style="list-style-type: none">• 1S (Class 100)• 3S (Class 20)• 12S / 25S (Class 200)
C1S (240V)	<ul style="list-style-type: none">• 1S (Class 200)• 2S (Class 200, 320)• 3S (Class 20)• 4S (Class 20)

Environmental	
	<ul style="list-style-type: none">• Operating temperature range: -40° to +158° F (-40° to +70° C)• Humidity: 5% to 95% non-condensing
Approvals/ Standards	
	<ul style="list-style-type: none">• ANSI C12.1 & C12.20• FCC for CFR Title 47 Part 15b
Radio	
	<ul style="list-style-type: none">• Frequency range: 902 - 928 MHz Unlicensed• TRUConnect Network TRUPush Technology• Vectored Channels: 64,000• Transmit power: 1.0 watt
Ordering Information	
TC-1116	<ul style="list-style-type: none">• TRUConnect Edge for Itron C1S 120V Meter
TC-1216	<ul style="list-style-type: none">• TRUConnect Edge for Itron C1S 240V Meter

© Copyright 2009 - 2024 Tantalus Systems Corp. TRUSense™ and Grid Data Management System™ are trademarks of Tantalus and its subsidiaries in the U.S. and/or certain other countries. Tantalus reserves the right to change product or system specifications without notice.

tantalus.com



Harness The Power of Data and Modernize Your Distribution Grid

Tantalus is a technology company dedicated to helping utilities modernize their distribution grids. We help our customers harness the power of data across all their devices and systems deployed throughout the entire distribution grid – from the substation to the EV charger. We offer smart grid solutions across multiple levels: intelligent connected devices, communications networks, data management, enterprise applications and analytics.