

TRUConnect™ Edge

Intelligent endpoint and AMI communication module for the
Itron CENTRON® C2S Meter

Description

TRUConnect Edge provides Itron CENTRON C2S 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, innovative disconnect, prepay, load management and load limiting features as well as grid edge analytics such as peak demand tracking and voltage analytics. The unique service limiting feature can cycle electricity service off and on every 30 minutes, providing an alternative to full disconnection when a disconnect moratorium is in effect.

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 end, prolonging the useful life of those assets.

Features/ Benefits

- All consumption, 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 C2S 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
- Optional remote disconnect with arming button for safe reconnection
- Peak Demand
- Net Metering
- Service Limiting
- Theft detection, tampers
- TRUScan reading capability for Itron ERT, Neptune R900/R900i and Badger ORION CE MIUs

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Product Specifications

Data Reported	
	<ul style="list-style-type: none">• kWh, Instantaneous kW• 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 & Swell Alerts
Meter Forms Supported	
C2S	<ul style="list-style-type: none">• 1S (Class 200)• 2S (Class 200, 320)• 12S/25S (Class 200)
C2S-RD with Remote Disconnect	<ul style="list-style-type: none">• 1S (Class 200)• 2S (Class 200)• 12S/25S (Class 200)
Environmental	
	<ul style="list-style-type: none">• Operating temperature range: -40° to $+158^{\circ}$ F (-40° to $+70^{\circ}$ 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-1120	<ul style="list-style-type: none">• TRUConnect Edge for Itron C2S 120V Meter
TC-1220	<ul style="list-style-type: none">• TRUConnect Edge for Itron C2S 240V Meter
TC-1120-RD	<ul style="list-style-type: none">• TRUConnect Edge for Itron C2S-RD 120V Meter with Disconnect
TC-1220-RD	<ul style="list-style-type: none">• TRUConnect Edge for Itron C2S-RD 240V Meter with Disconnect

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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.