

DA-1710 DISTRIBUTION AUTOMATION

DNP3 MODEM-DA BRIDGE SERIAL MODEM

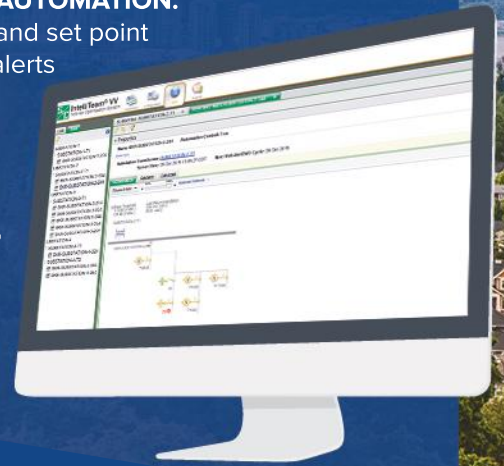


The **DA-1710** is an industrial modem designed to route SCADA protocols over the TUNet® network. Utilities may now leverage their entire AMI network to provide 2-way secure connectivity to their distribution equipment.

BENEFITS OF DISTRIBUTION AUTOMATION:

- Program cap bank schedules and set point
- Receive time-stamped event alerts
- Fault circuit indicator alerts
- Adjust voltage controllers
- Automated switching

Tested and verified with S&C IntelliCap® 2000 and IntelliTeam®



TANTALUS ADVANTAGES

- DNP3 protocol routing
- Encrypted communications over TUNet
- Long range communications via high gain external antenna
- Sub-second time-stamped accuracy
- Features Tantalus TRUPUSH™ technology for instant, field initiated event notifications such as outage alerts or load shed success; no device polling required
- Comprehensive dashboard and monitors for multi-channel device management
- Optional pole mounted enclosures with and without battery backup
- Over the air firmware upgrades, programming, and control
- Communicates directly with Itron 60W, 100W, 100G, and R300 series ERT modules as well as Badger Orion® water meters

LAN Radio	Features	Notes
<ul style="list-style-type: none"> • Frequency range: 902–928 MHz; license exempt • Transmitter power: 1 watts • Antenna: 5dBi omni fiberglass (EIRP+34 dBm) 	HP Proliant DL380 Gen9 Server <ul style="list-style-type: none"> • Xeon E5-2660v3 CPU • 32 GB DDR DDR4-2133 RAM • 2 x 600GB 12G SAS 10K HDDs (RAID 1) • Smart Array P440ar (RAID Controller) • Dual 50W FS power supply 	<ul style="list-style-type: none"> • Pre-installed and configured with operating system, Oracle® RDBMS and all TUNet® software
Environmental	Physical	Approvals / Standards
<ul style="list-style-type: none"> • Operating temperature range: -40° to +149° F / -40° to +65° C • Operating humidity range: 5% to 95% non-condensing 	<ul style="list-style-type: none"> • Dimensions: 5" W x 6" H x 1.2" D • Weight: 1.0 LBS / 0.45 KG 	<ul style="list-style-type: none"> • FCC for CFR Title 47 Part 15b • DNP3 protocol

The Tantalus Approach

Tantalus is committed to addressing Municipal & Cooperative Utility challenges through ROI-proven applications & data analytics enabled by a state-of-the-art network and distributed computing endpoints. We engage customers continuously to help us deliver the best solution possible.

TUNet is flexible enough to cover any environment from low meter density, mountainous terrain to high density urban zones with any combination of our hybrid FAN & LAN network. Leverage our ultra long-range 220 MHz RF in combination with flexible 900 MHz LAN gateways and numerous IP backhaul options to truly build a network that will support your individual utility needs.

TUNet's unique and proven endpoint architecture allows Tantalus to extend intelligence to the edge of the distribution network, providing data analytics that improve operational efficiency and reduce system losses through granular reporting and rapid control.

The Tantalus approach is to work as strategic partners with Municipal & Cooperative Utilities to distribute intelligence on the grid where and when it makes the most sense and where and when it will provide the highest utility return on investment.

Why TUNet™ is the Right Investment for Your Utility

More Effective Network – More adaptive bandwidth than competing LAN networks for faster application performance, reduced network congestion, and more rapid response to AMI commands

Fresher Data – 50x more messages transmitted than competing LAN networks, for more detailed analysis from the endpoint

More Responsive – TRUPush™ data delivery ensures that 5-minute intervals and critical event messages can be prioritized and pushed from the field to the utility in near real time

Situational Awareness – Each endpoint collects, learns, shares, and controls based on continuous data analysis

Software Defined Radio – Easily add new radio protocols and future endpoint enhancements via Over-the-Air-Programming (OTAP), saving time and money

Distributed Computing – Each robust endpoint is equipped with a Linux platform and enough computing power to support advanced analytics and future 3rd party applications

Packaged for Municipal & Cooperative Utilities – A proven partner that caters to YOUR operational environment, service territory, and business needs

Multi-Application Support – Built specifically to support multiple, simultaneously operating applications and communications protocols on the same network

Unmatched Value – TUNet delivers long-term ROI and value to all utility departments with a cost-conscious, step-by-step approach to Smart Grid

CONTACT INFORMATION

Address: 1130 Situs Court
Suite 230, Raleigh, NC 27606

Phone: 919.900.8970

Website: www.tantalus.com



Tomorrow's Smart Grid. Today.