

# LAN ROUTER

## TR-1901 Omni-directional 900 MHz network repeater



The TR-1901 LAN Router extends the reach of the TUNet® LAN communications into hard-to-reach locations and over challenging terrain. It provides superior omni-directional radio coverage enabling connectivity to larger clusters of LAN endpoint devices at greater distances. This enables a utility to add range and functionality without re-engineering the network.

The LAN Router improves radio broadcast range and penetration to ensure that distant sites or those located in challenging urban and rural environments receive reliable communications. It facilitates two-way, near real-time communications between the utility and TUNet®-enabled endpoints as well as with Itron ERT® and Badger Orion® modules.

With its sensitive receiver capabilities and easy to mount design, the TUNet® LAN Router is a valuable component in an AMI system.

### TANTALUS ADVANTAGES

- Provides long-range communications coverage in both challenging rural and urban environments
- Enables a utility to surgically deploy endpoints anywhere without substation constraints
- Multiple installation options
- Small size, rugged weather-proof construction; secure, lockable enclosure
- Features Tantalus TRUPush™ technology for instant, field initiated event notifications such as outage alerts or load shed success; no device polling required
- Communicates directly with Itron ERT® and Badger Orion® modules

LAN Radio	Power Input	Approvals/Standards
<ul style="list-style-type: none"><li>• Frequency range: 902 – 928 MHz; unlicensed</li><li>• Transmitter power: 0.9 watts (+29.5 dBm)</li><li>• Antenna: 5 dBi external omni-directional</li></ul>	<ul style="list-style-type: none"><li>• Supply: 100 to 240 V at 50/60 Hz</li><li>• Quiescent consumption: 4 watts</li></ul>	<ul style="list-style-type: none"><li>• FCC for CFR Title 47 Part 15b</li><li>• NEMA 3R enclosure</li></ul>
Physical	Environmental	
<ul style="list-style-type: none"><li>• Dimensions: 11"W x 13.25"H x 5"D (28cm W x 33cm H x 12.5cm D) (excludes external antenna)</li><li>• Weight: 4.1 lbs (1.9 kg)</li></ul>	<ul style="list-style-type: none"><li>• Operating temperature: -22°F to +149°F (-30°C to +65°C)</li><li>• Humidity: 5% to 95% non-condensing</li></ul>	