LPN 450 TRX

We've got you covered.

RG3 Licensed Private Network (LPN) data collectors offer a strategic two-way communication option for smart water and smart gas deployments. The LPN 450 TRX mobile data collector operates in the 450-470 MHz frequency band spectrum creating a highly reliable private network with far-reaching range.

The two-way system incorporates rich security features and is end-to-end upgradable remotely with over-the-air updates. The proprietary LPN RF protocol provides time-synced operations to alleviate network RF collision. Data is time-stamped and mapped to show how it travelled through the network.

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LPN 450 TRX The 450 TRX mobile data collector is a solid-state industrial piece of hardware that connects to a computer or tablet with a Windows operating system via USB-C or Bluetooth. It is compact and easily transferred from one place to another. It operates in the 450-470 MHz licensed frequency band and is used for collecting meter data, programing, troubleshooting, and other two-way functions in a Licensed Private Network (LPN).

AMI Hybrid Capabilities The 450 TRX can be used to collect hourly data from your meter system, even if your primary read strategy is drive-by AMR. When not in field use, the 450 TRX can be used as a stand alone AMI base station to stream meter data to Tesla Net MDM. Your utility can use the standard drive-by AMR antenna or erect a separate AMI antenna installed at a greater height for increased reach and coverage.

Extensive Range   With the standard AMR drive-by antenna, the 450 TRX can easily read meters a mile away when not blocked by a major obstruction. That kind of reading range lowers cost and time to read meters in a drive-by AMR application. It can also provide a large area of coverage around your office when not being used in the field.

450TRXDS12241

Features and Benefits

- Solid state durability

- Light weight and easily portable

- Plug-and-play operation

- Licensed Private Network with low RF interference

- Two-way communications

- Time-Stamped readings and alarms

- End-to-End security

- Live stream meter readings and alarms

Specifications

Dimensions	6.5" x 3.2" x 3.1"
Weight	1 lbs
Operating Temperature	-4°F to +140°F (-20°C to +60°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Humidity	0% to 95% non-condensing
Operating Power	12VDC
Data Connection	USB-C or Bluetooth or Ethernet
Frequency Band	450-470 MHz
Approvals	FCC Part 90 and Part 15
AMI Backhaul	Ethernet

LPN BLACK BOX PRODUCT DATA SHEET