

Migrate and Automate with Confidence

Neptune® R900® System: Gateway Fixed Network Data Collector



Identify and resolve water-related issues quickly and easily with metering consumption data forwarded from R900® System endpoints. Receive alerts such as leak, reverse flow, and days of no flow to improve operations and customer support. The gateway's radio technology processes multiple meter readings simultaneously to optimize your fixed network with high throughput reading performance.

Get the most value from existing endpoint investments with a gateway that easily integrates into the R900® System. Migrate at your own pace from a walk-by or mobile Automatic Meter Reading (AMR) system to an Advanced Metering Infrastructure (AMI) without the need for special reprogramming of endpoints. Designed for quick installation, ease of use, and flexibility, the gateway collects your data so that you can identify Non-Revenue Water and optimize efficiency.

- Migrate to AMI at your own pace and without reprogramming of endpoints
- Add on-demand read capability
- Maintain compatibility with existing deployed endpoints

Specifications

Receiver

- 910-920 MHz
- 50 channels
- Processes 8 readings simultaneously
- Processes 360 readings per second
- Capable of handling up to 25,000 R900s

Installation Options

- Rooftop
- Pole (2" – 16" diameter)
- Wall
- Water towers
- Street lights

Power Supplies

- 100-140 VAC
- 160W Solar
- 220W Solar

Battery Backup

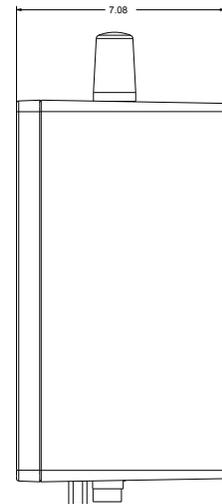
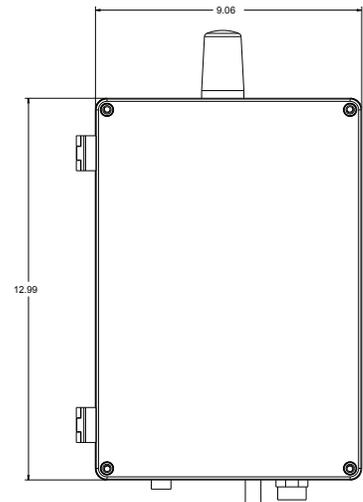
- AC version – UPS provides 8 hours battery backup
- Solar version – 3-day backup battery

Backhaul Options

- Multi-carrier cellular modem
 - LTE Cat 3 Dual & Quad
 - EVDO/CDMA 1x
 - UMTS/HSPA
 - EDGE/GPRS
- Ethernet RJ-45
- Private LAN compatibility via Ethernet connection

Environmental

- NEMA 4X enclosure
- Operating temperature: -22°F to +140°F (-30°C to +60°C)
- Storage temperature: -40°F to +158°F (-40°C to +85°C)
- 0-95% non-condensing humidity



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