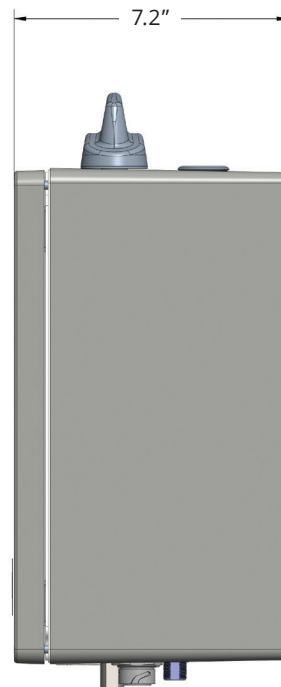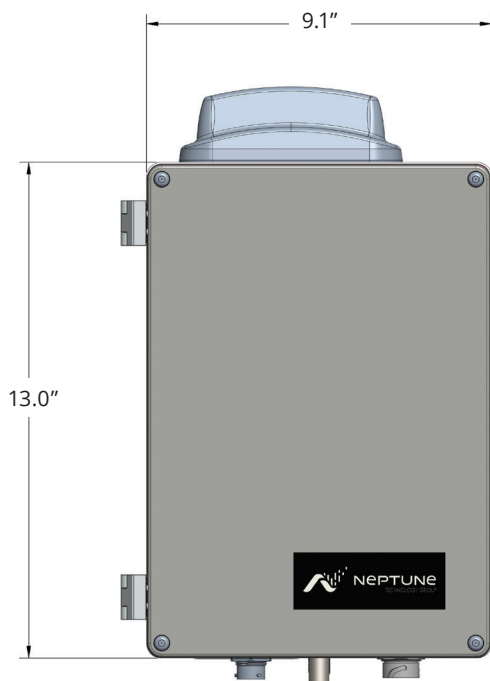# Migrate and Automate with Confidence

## Neptune® R900® System: Gateway Fixed Network Data Collector



The R900® Gateway helps you quickly identify and fix water-related issues by forwarding meter data from R900® System endpoints. It processes multiple meter readings at once, ensuring you get timely alerts for problems like leaks, reverse flow, and days of no flow, which improves your operations and customer support.

The gateway sends 15-minute meter data updates to the head-end software immediately and continuously, enabling quick verification of AMI connectivity during installation. It also supports remote firmware and configuration updates, reducing the need for on-site visits. The gateway integrates easily into the R900® System, allowing you to transition from a walk-by or mobile AMR system to AMI without reprogramming endpoints. The new gateway architecture includes strong security measures based on the latest NIST recommendations and advanced cybersecurity research.

- Migrate to AMI at your own pace and without reprogramming of endpoints

- Add on-demand read capability

- Maintain compatibility with existing deployed endpoints

- Get meter data updates every 15 minutes for real-time customer service

- Verify AMI connectivity on-site during installation

- Update configuration and firmware remotely

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#winyourday

9.1"

13.0"

7.2"

## *Specifications*

### Receiver

- Dimensions: 13 x 9.1 x 7.2 inches (330 x 231 x 183 mm)
- Weight: 21 lb (9.53 kg) without mounting bracket
- 910-920 MHz
- 50-channel software-defined
- Send meter readings to the head-end software immediately upon receipt
- Capable of handling at least 25,000 R900 endpoints

### Installation Options

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

### Power Supplies

- 100-140 VAC UPS
- 195W Solar UPS
- 220W Solar UPS

### Battery Backup

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

### Backhaul Options

- Multi-carrier cellular modem
- Private LAN compatibility via RJ-45 Ethernet Connection

### Environmental

- NEMA 4X enclosure
- Operating temperature: -22°F to +140°F (-30°C to +60°C)
- Storage temperature: -40°F to +185°F (-40°C to +85°C)
- 5-95% non-condensing humidity

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