



# FlexNet® R100NA Outdoor Collector

The R100NA Outdoor Collector integrates seamlessly with the Sensus FlexNet communication network and enables secure, high performance communication directly to the RNI.

Designed to fill-in network coverage for meters in hard-to-reach locations, this outdoor collector features alarm monitoring, next-generation encryption, load profile support, and remote endpoint configuration.

## FEATURES

- Network coverage for hard-to-reach meters
- GPS receiver for time synchronization
- Full duplex operation
- One hour battery backup
- Alarms and reporting capability
- Flexible backhaul via integrated cellular or Ethernet
- Utility pole, wall, and tower mount
- FCC-licensed, CFR 47, Part 15B, 24D, 101C certified
- Single-door NEMA 4 enclosure

## APPLICATIONS

- Two-way Advanced Meter Infrastructure (AMI)
- Demand Response (DR)
- Home Area Networks (HAN)
- Sensus VantagePoint® Lighting Control

### Low-Cost 100 Percent Coverage

The R100NA collector provides a low-cost infill solution that provides direct backhaul coverage. This enables you to reach every meter with minimal infrastructure while maintaining Sensus' high-performance point-to-multipoint architecture.

### Common Operating System

The R100NA shares a common operating system with Sensus FlexNet Base Station products, ensuring a simple, consistent configuration and management of all FlexNet infrastructure components.

### Licensed Radio Spectrum

In North America, Federal Communications Commission/Innovation, Science and Development Canada protected primary-use spectrum avoids competition with other wireless services, interference from other radio devices, and the risk of being taken over by emergency service providers.

### Small Footprint

A lightweight unit with flexible pole or wall-mounting options enables strategic deployment with a discreet appearance.

### Industry Leading Security

Sensus has achieved General Electric/Wurldtech™ Achilles® communications certification for critical infrastructure security against cyber threats.

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## Properties

Receive Bandwidth	75 KHz
Transceivers	Single
Spectrum	Licensed 900 MHz PCS/MAS
Duplexing	Single transmit Three receive channels - simultaneous/ dedicated
Applications	Single
Expandability	No
Compatibility	SNMP
FlexNet	Requires RNI 3.3.3 or newer

## Enclosure - Pole/Wall Mount

Height	12" (30.5 cm)
Width x Depth	12" (30.5 cm) x 6" (15.2 cm)
Weight	21.1 lbs (9.57 kg)
Capacity	One transceiver
Temperature	-40° F to +131° F (-40° C to +55° C)
Voltage	120 VAC
Battery Backup	One hour
NEMA Rating	4
Air Conditioned	No

## Kit Components

Cable	50 feet of coaxial cable
Antenna	Laird Model FG8963 3dBd antenna and jumper

*Note: The RF Network Design may call out a different coaxial cable or antenna than what ships with the R100NA Outdoor Collector.*



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