



## 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.

### Low-Cost 100 Percent Coverage

The R100NA collector is 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 and 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.

#### 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

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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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