MI.NET®
a **MUELLER** brand

MUELLER INFRASTRUCTURE NETWORK
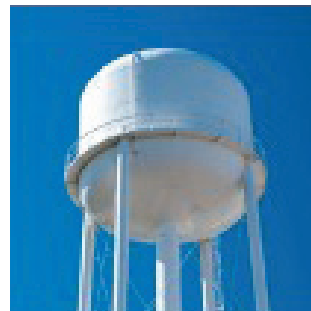## Mi.Net Fixed Network Collector

FEATURES

OVERVIEW

The Mueller System Mi.Net Multi-Network Collector enables efficient, robust data acquisition across the *Mi.Net® Mueller Infrastructure Network* for utilities by providing for long range wireless communications from originating Mi.Nodes to the utility's Mi.Host software platform. The wide range provides an extended coverage area and dramatically reduces system cost and maintenance. The Collector allows for near simultaneous communication between both of Mueller's proprietary networks as well as a migration path to future technologies.

Reliable

The ability to remotely monitor and diagnose the health of the collectors is a key to keeping the network performing at a very high level. Each collector is monitored by the Mueller network operations center (NOC) to ensure that your network is running at maximum efficiency. In addition, each collector is field serviceable with Field Replaceable Units (FRU's). This allows a service technician to easily upgrade or repair a unit with minimal downtime.

The multi-network collector enables full two-way radio frequency (RF) communication between water meters equipped with encoder registers, radio transceivers and the Mi.Host software application. Collectors are equipped with a large array of non-volatile memory, in addition to the 511 days of hourly data stored in each node. This results in resilient communications, a robust network, and ultimately, peace of mind for the user.

MI.NET MULTI-NETWORK COLLECTOR

TOWER TOP AMPLIFIER AND NEW IMPROVED FILTERS MOUNT ON TOWER LOCATIONS OR POLE LOCATIONS

SECURE COMMUNICATION

A variety of options for collector communication are available. Wired network connections (Ethernet, fiber, DSL), wireless cellular or any existing network infrastructure are all supported to fully utilize available utility assets to communicate to users.

SPECIFICATIONS

BASE UNIT

Power Consumption	AC Line Voltage; 100-240VAC, 50/60Hz, 25W typical, 120W maximum (during battery charging)
Main Enclosure Dimensions	24.0″H x 21.0"W x 9.5"D (60.1 cm x 53..3 cm x 24.1cm) With mounting plate: 24.0″H x 21.0"W x 11.0"D (60.1 cm x 53..3 cm x 27.9cm)
Exterior	Grey durable polycarbonate enclosure NEMA-4 compliant weatherproof enclosure
Weight	Base unit: 33 lbs. (excluding battery) (15 kg) Battery: 23 lbs. (10.4 kg) Mounting plate: 8.2 lbs. (3.7 kg) Total weight: 64.2 lbs. (29.1 kg)
Antennas	External 8 dBi Antenna, included, attaches to Remote Amplifier External 6 dBi Antenna, extra, attaches to Remote Amplifier FCC Approved; 902-928MHz ISM Band Operation Frequency Hopping/Spread Spectrum Operation
Battery Back-up	Up to 20 Hours Continuous Operation Without AC Power Battery is recharged when AC power is restored
Certifications	FCC 47 Part 15, Unintentional Radiators UL 60950 Compliant UL/TUV 61010, CSA-C22.2 Compliant

REMOTE AMPLIFIER

Dimensions	(Excluding antenna) 15.0"H x 5.75"W x 11.0"D (38.1cm x 14.6cm x 27.9cm)

For more information about Mi.Net solution or to view our full line of water products, please visit muellersystems.com or call customer service at 1.800.423.1323.

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