

Mobile Collector Lite

system overview

From small rural providers to larger utilities with a mix of rural and urban service areas, Itron's newest mobile AMR offering, Mobile Collector Lite, answers a growing need in the utility market for more cost-effective and flexible AMR solutions.

Building on Itron's industry-leading mobile and handheld AMR technologies, Mobile Collector Lite is an innovative combination of mobile and handheld AMR that can handle mixed drive-by and walk-by routes for the ultimate in operational flexibility.

Mobile Collector Lite is a significant offering for water, gas and electric utilities that want the benefits of AMR in an affordable solution that can achieve their operational and business objectives. With Mobile Collector Lite, utilities now have an effective AMR solution that can increase operational efficiency, reduce costs and improve customer satisfaction at a cost that makes sense for them.



functionality profile

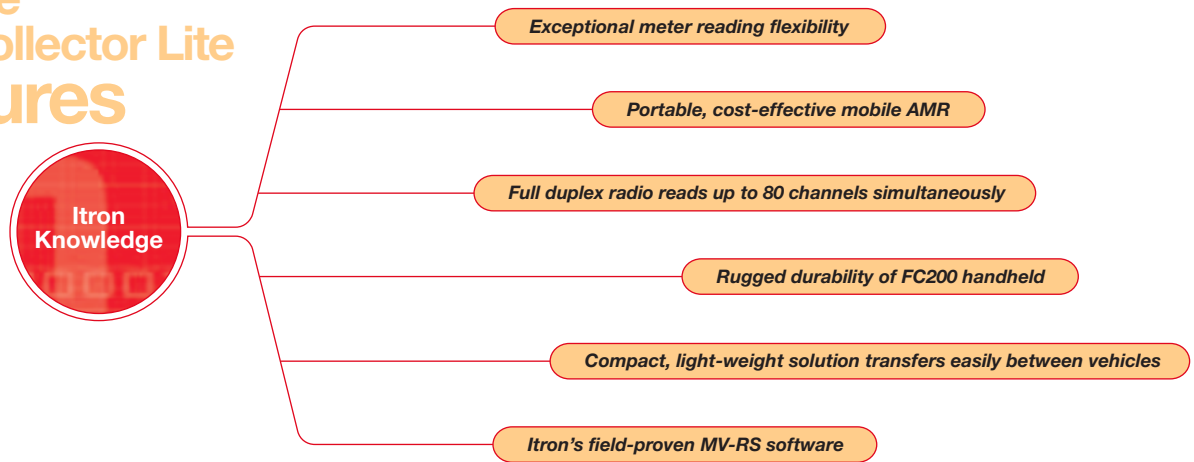
Itron's rugged, industry-leading FC200 handheld computer is the key to Mobile Collector Lite's flexibility. Utilizing the compact in-vehicle dock and external multi-channel radio, Mobile Collector Lite collects consumption and tamper data from water, gas and electric endpoints in either "bubble-up" or "wake-up" mode.

A single Mobile Collector Lite can read up to 10,000 meters on a single route, compared to the few hundred meters that can be read on the average handheld walking route. Meter readers can collect reads while driving at normal city driving speeds or they can remove the FC200 from the in-vehicle dock to probe reads, collect manual meter reads or hard-to-read meters while reading the normal cycle route. When using the FC200 equipped with optional internal radio (FC200R), meter readers can also program endpoints or do field investigations. With the colorful touch-screen display, meter readers can view missed reads and other performance statistics in real time on the route.

The external multi-channel, full-duplex radio collects reads on all channels simultaneously, providing the highest possible level of performance in any RF environment.

Compact and portable, Mobile Collector Lite transfers easily between vehicles for flexible drive-by reads and allows meter readers to remove the FC200 handheld from the in-vehicle dock for complete walk-by functionality.

Mobile Collector Lite features



specifications

Performance

Receiver operating frequency: 915 ISM Band

Transmitter output power: 4 Watts Maximum - radio

Functional

Power supply: 12V

Power consumption: 5 Amps maximum

FCC compliance: Part 101

Radio:

- > 80 channels reading simultaneously
 - Better dynamic range
 - Improved interference mitigation
- > Smaller form factor

Antenna: Permanent Mount (magnetic mount optional)

Mounting: Radio mounts to the passenger seat

Handheld mounts to the vehicle chassis (3rd party mounting solution needed for vehicle mount)

Endpoint compatibility:

- > All legacy Itron ERT modules
- > 40GB gas ETR modules in wake-up mode only
- > 60W water ERT modules
- > Itron CENTRON® electricity meters equipped with R300 modules
- > Itron CENTRON® Polyphase electricity meters equipped with R300 modules
- > Itron SENTINEL® electricity meters equipped with R300 modules
- > Mobile Collector Lite can collect simple demand and time-of-use readings from electricity meters equipped with applicable Itron ERT or R300 modules.

Environmental

Operating temperature: -4°F to +122°F (-20°C to +50°C)

Storage temperature: -40°F to +160°F (-40°C to +71°C)

Humidity limits: 5 to 95% non-condensing relative humidity

Physical

Dock dimensions: 9" high x 5.5" wide x 4" deep

Weight:

- > Radio: 10 lbs.
- > FC200 Handheld: 28 oz.

Host Processing Software

MV-RS version 7.8 or higher, Itron's popular meter reading software, integrates electronic, off-site and mobile AMR functionality into a single software application.

profile

Itron Inc.

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. Nearly 3,000 utilities worldwide rely on Itron technology to deliver the knowledge they require to optimize the delivery and use of energy and water. Itron delivers value to its clients by providing industry-leading solutions for electricity metering; meter data collection; energy information management; demand response; load forecasting, analysis and consulting services; distribution system design and optimization; web-based workforce automation; and enterprise and residential energy management.

To know more, start here: www.itron.com



Corporate Headquarters

2111 North Molter Road
Liberty Lake, Washington 99019
U.S.A.
Phone: 1.800.635.5461
Fax: 1.509.891.3355
www.itron.com