Itron

Knowledge to Shape Your Future

profile

Itron Inc.

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. More than 2,000 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 meter data collection, energy information management, demand side management and response, load forecasting, analysis and consulting services, transmission and distribution system design and optimization, web-based workforce automation, C&I customer care, as well as enterprise and residential energy management.

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

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system overview

The portable Mobile Collection System is Itron's latest addition to its industry-leading portfolio of Mobile AMR solutions. The Mobile Collection System's combination of performance, portability and affordability represents a significant leap forward for utilities of all types and sizes looking to maximize operational efficiency, reduce costs and provide superb customer service.

The Mobile Collection System provides unparalleled mobile meter reading performance, yet is small enough to fit in any vehicle and can be easily transferred between vehicles, eliminating the need for a dedicated vehicle for meter reading.

Never before has such robust meter reading performance been contained in such a convenient and cost-effective package. Whether it's electricity, gas or water, from monthly consumption reads to off-cycle reads, Itron's Mobile Collection System provides a powerful, easy-to-use, and cost-effective solution to reduce costs, increase operational efficiency and meter reading accuracy, and improve customer satisfaction.
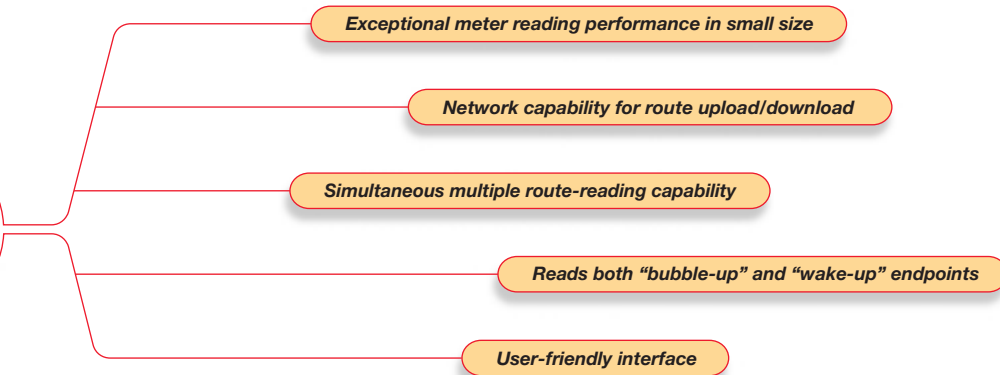
Mobile *Collection System*

functionality profile

The Itron Mobile Collection System interrogates and receives information from Itron ERT modules installed on gas, electric and water meters. It's as easy as driving down the street. The system includes a transmitter to wake up the ERT module, receivers to manage incoming ERT module data transmissions, and a data acquisition computer to store meter reading data. Utilizing software-selectable utility radio frequencies, the Itron Mobile Collection System is capable of reading ERT modules operating in either "wake-up" or "bubble-up" mode.

A single Mobile Collection System, reading one route at a time, is capable of reading up to 24,000 meters in a day. When reading multiple routes simultaneously, the Mobile Collection System can support up to 100,000 meters. The potential savings are substantial when compared to the few hundred meters read per day on a typical walking route.

The durable Mobile Collection System is easy to use, featuring a user-friendly interface and touch-sensitive display, making training and operation a snap, and is completely compatible with Itron meter reading and host processing software.

system features

Itron Knowledge

- Exceptional meter reading performance in small size
- Network capability for route upload/download
- Simultaneous multiple route-reading capability
- Reads both "bubble-up" and "wake-up" endpoints
- User-friendly interface

specifications

Performance Specifications

Operating Frequency:
> Transmitter: 952 or 956 MHz
> Receiver: 915 MHz ISM Band

Output power: 4 watts peak
Data integrity: verified in every message

Functional Specifications

Power supply: 12 V DC vehicle power supply
Power consumption: 8A; transmitting mode
FCC compliance: Part 101
Notebook computer: Itronix GoBook MAX™ removable laptop interface
Drive: 20 GB hard drive on laptop and 64M CF nonvolatile backup
Antenna: single, roof mount, omnidirectional
Display: touch-sensitive, color display, Windows 2000
Hard wired to fuse block for power

Environmental

Operating temperature: -4º to 122ºF (-20º to 50ºC)
Storage temperature: -40º to 160ºF (-40º to 71ºC)
Humidity limits: 5 to 95% non-condensing relative humidity

Physical Specifications

Cabinet dimensions: 13" x 16.5" x 6"
Weight: Mobile Collection System weight approximately 25 lbs.

The Mobile Collection System comes complete with Mobile Collector, GoBook MAX™, all necessary cabling, mounting hardware, antenna and an instruction manual.

Host Processing Software

The Mobile Collection System may be used with any of Itron's meter reading software applications, which are sold separately. They include:

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

> Premierplus4: this client/server-based application uses industry-standard database networking software and offers unprecedented power and flexibility. Premierplus4 can operate and manage Itron's handheld and mobile technologies in a single software application.

> Integrator: an IBM mainframe-based meter reading management system that can operate and manage Itron's handheld and mobile technologies. Integrator is flexible and expandable, allowing utilities to use metering equipment from more than one manufacturer.