

MOSAIC™

Mobile AMR Receiver

The MOSAIC Mobile combines a robust feature set and user-friendly interface to bring high-performance mobile data collection to the MOSAIC & Single-frequency FIREFLY AMR platforms.



Flexible & Powerful

The MOSAIC Mobile was designed in Datamatic's tradition of creating solutions that maximize customer options. The Mobile reads water, gas and electric

models of both MOSAIC and Single-frequency* FIREFLYs. The advanced radio design uses a 50-channel Frequency Hopping Spread Spectrum approach to effectively avoid RF interference while greatly increasing reception range.

User-friendly Interface

Simplicity and power best describe the MOSAIC Mobile's user interface: Tap the touch screen to start reading, Tap the screen again to stop.

Reads MOSAIC & Single-frequency FIREFLY MIUs

Integrated GPS functionality

Lightweight, easily transportable

Touchscreen interface

No dedicated vehicle required

Audio alerts

The large, bright screen of the ruggedized Panasonic ToughBook® PC displays user-selectable views which show relevant data in a single glance. Audio alerts allow operators monitor progress while keeping their eyes on the road.

Integrated GPS mapping makes it even easier to navigate routes efficiently. Vehicle position is tracked and displayed in real-time and color-coded meter icons change to show read/unread status and alert conditions.

How it works

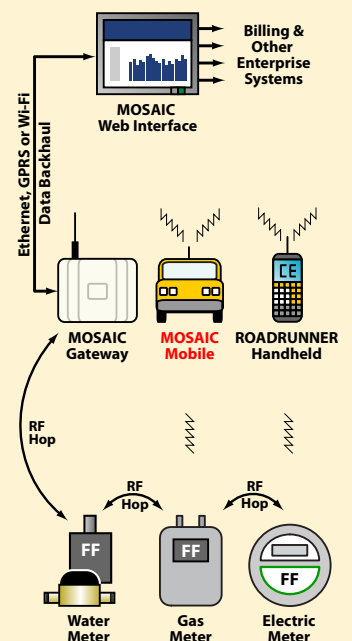
FIREFLYs (FFs) transmit meter reading, interval data and alert info via radio frequency.

A MOSAIC Mobile, ROADRUNNER handheld or MOSAIC Gateway captures and carries data back to the office.

MOSAIC receives uploaded data from ROADRUNNER receivers and MOSAIC Gateways.

Reporting and analysis tools provide data for identifying and settling customer issues.

MOSAIC facilitates the data transfer to and from your utility billing system.



Specifications

Functional

- Reads Water, Gas & Electric MOSAIC & Single-frequency* FIREFLY MIUs
- Reads Permalog+ Leak Noise Loggers (connected to FIREFLY MIU)
- Water, electric and gas
- Selectable reading screens
- Real-time GPS position tracking
- Touchscreen interface
- Visual and/or audible feedback:
 - Successful Reads
 - Unread Meters
 - Leak Conditions
 - High Usage
 - Tamper Conditions
 - Low MIU Battery
 - High/Low Audit

Technical

- Frequency: 902-928 MHz (ISM Band)
- Frequency Hopping Spread Spectrum
- FCC Licensing: Exempt under Part 15
- Operating Temperature: -40°F to 185°F
- USB GPS receiver

Physical

- Antenna: (Whip with magnetic mount) 25" H
- Mobile Control Unit: 3.25" H, 4.75" W, 4.75" L
- Ruggedized PC: (Panasonic ToughBook*) 2.3" H, 11.8" W, 9.5" L

*when used with Single-frequency antenna

For more info, contact us today.



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