Single Point, Multi-Meter Data Collection

The Microtex Electronic’s FRM Module combined with the Microtex LR2G Gateway, allows for the collection of multiple electric meters into a single collection point. Each LR2G Gateway can accept the data from 256 individual meters or FRS submeter modules and report their meter-reading data collectively or individually, with true 2-way communications.

Uses Public Infrastructures - Wired or Wireless

The LR2G can operate on a simple telephone line to the data collection point or through its 20-mile wireless network radio. This flexibility allows you to choose the system that is right for your application. Also, the LR2G Gateway can store reads locally, until you are ready to read them. The reads can also be read locally or remotely, in-vehicle or from a stationary collection point.

Internet Based Data Collection

Whether you use a wired or wireless solution, the LR2G will report all its meter reading data to the server so data collection is efficient and easy. Each FRM has a unique IP Address, so each meter is easily identifiable by ID and addressable node ID. Collection can be made ON DEMAND or on a set schedule. Each FRM has its own nonvolatile battery-free memory so meter reading data is stored separately and securely.

Microtex Electronics and its Family of Wireless Communications Products:

Microtex Electronics, Inc. is a group of professionals that design, manufacture, and supply leading-edge technology to meet today and tomorrow’s utility data collection needs. Microtex offers a broad range of off-the-shelf and customized solutions for meter data collection, Utility Control, telemetry applications, and much more. Microtex can supply a total system package, solutions for a legacy systems, or anything in between. Call Microtex today at 1-972-479-1011 to see how we can help you streamline and improve your data collection systems.
Typical Applications:

Example #1: Data Collection: AMR Apartment Building

Pulsar DS with LR2 Radio, Data Collection Point
Or Mobile Platform Collection

Pulsar DS with LR2 Radio, Building “A”
Meters Equipped with an FRM Module
RS-485

Pulsar DS with LR2 Radio, Building “B”
Meters Equipped with an FRM Module
RS-485

Pulsar DS with LR2 Radio, Building “C”
Meters Equipped with an FRM Module
RS-485

Typical Applications:

Example #2: Rural Energy Management

Energy Management System With LR2 Radio.

LR2 Radio W/FRM For Storage Facility

LR2 with FRM Modules – Main Farm Buildings
RS-485

Modem to Rural Telco

LR2 Radio W/FRM For Remote Water Pump

For More Information:

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