

FIXEDLINX™ BOOSTER



Wall Mount Version



Pit Mount Version

ACCELERATE YOUR FIXED NETWORK MIGRATION PATH

The 3G FixedLinx Booster simplifies and expedites fixed network migration. Save time and installation costs at potentially hundreds of thousands of points in your network with a unique ConnectionFree™ design that installs in minutes — with no wires and no programming¹. Each Booster, pit or indoor set, automatically detects and syncs with two meters in close proximity² — including 3G water, gas or electric meters.

Moments after installation, the Booster begins collecting meter data, every 15 minutes, developing a rich, detailed data profile at every metered point. Data is stored and transmitted to the utility every 6 hours, or other customer-defined interval³, ensuring fresh data for active utility resource control and customer driven value added services.

The FixedLinx Booster's powerful internal 1-Watt transceiver securely broadcasts data beyond a 1 mile range to establish a wide-range of coverage while minimizing the number of Repeaters required in the overall network architecture. The Booster's energy efficient design utilizes a second, low power transceiver which listens for 3G-equipped meter data transmissions — significantly reducing power draw without sacrificing read intervals.

UNITE WITH FLEXIBILITY

The Booster provides a flexible migration path for utilities with already installed 3G meters and takes advantage of existing infrastructure without sacrificing current mobile read functionality. Gain additional flexibility in your fixed network rollout with the ability to install one Booster to report water and gas or electric use at a single property⁴.

CONFIGURATIONS AVAILABLE:

- * Indoor: Wall mount unit for interior located meter sets
- * Pit: Low profile antenna for pit lid mounted applications

FEATURES & BENEFITS:

- * ConnectionFree Design — no wires, no programming, self-learning start up
- * Installs in minutes, auto activates with the swipe of a magnet
- * Automatically detects and reports data for two meters in close proximity
- * "Sweet spot" directional arrow offers optimal propagation and communication with Repeater network.
- * Compatible with any 3G equipped meter, water, gas or electric
- * Energy efficient design with 20 year (10 full + 10 prorated) battery warranty
- * Powerful 1-Watt transceiver with 1+ mile range
- * Booster enables data redundancy, data correction, and data verification through the fixed network system.
- * Multi-level data redundancy with data temporarily stored in the booster in addition to 4,000 point data logging in the meter
- * High resolution 15 minute read data for active resource control, proactive leak detection management, conservation program enforcement, and detailed consumption profiling that empowers customer care managers with meaningful actionable field intel.

Easy Installation | No Wires, No Programming | Powerful 1+ Mile Range
100% Compatibility with Already Installed 3G Meters | Robust AMR / AMI Architecture



Reading the Future™

TECHNICAL SPECIFICATIONS:

Installation - The pit set Booster is designed to fit in standard 1.75" pit lid holes or plastic lids with under lid AMR slide mount for easy installation, or new installation holes can easily be implemented by utility personnel. The Booster simply slips through the hole and is tightened with the threaded locking sleeve. The wall mount Booster is quickly attached with supplied self-tapping screws.

Activation - Both wall mount and pit set Booster designs activate quickly with the swipe of an included magnet. Once swiped, the Booster auto-activates and initiates a proprietary algorithmic process that electronically links it to the corresponding meter(s) with an audible confirmation that indicates activation has initiated. No additional programming is required¹, unless the utility chooses to modify factory default settings i.e. transmission frequency. May also be manually activated with 3G Technician Software.

Data Collection - The Booster automatically communicates with the water, gas, or electric 3G-equipped meter every 15 minutes and gathers meter data. The data is temporarily stored in the Booster before being transmitted through the network to the utility or data center. Data is transmitted from the Booster to the fixed network backbone every 4-hours, when synced with a single end point, or every 6 hours when synced with two end points, or at predefined customer intervals³.

Transceivers - The Booster's energy efficient design features 2 transceivers; a low-powered transceiver that listens for meter data every 15 minutes, and a more powerful 1-watt transceiver giving the Booster its 1-mile+ broadcast range⁵ to deliver data to the network backbone.

Low Power Transceiver (Booster to Meter(s) Communication)

8db (8mW) Transmit
-92 db Receive

High Power Transceiver (Booster to Fixed Network Backbone Communication)

1-Watt (30db)
1 mile minimum range

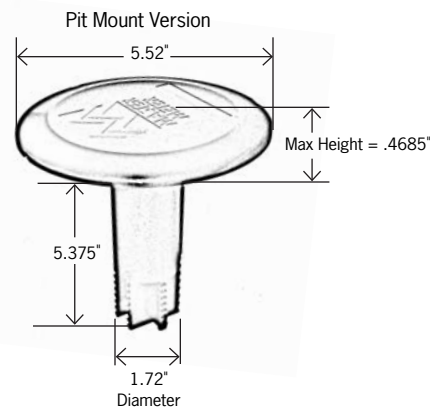
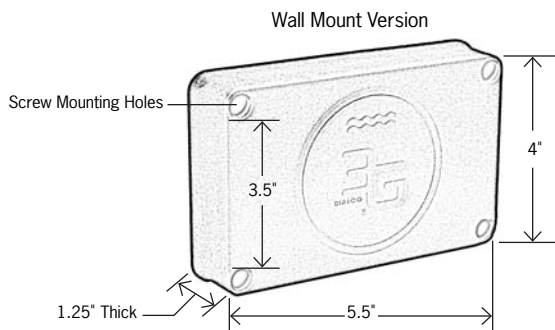
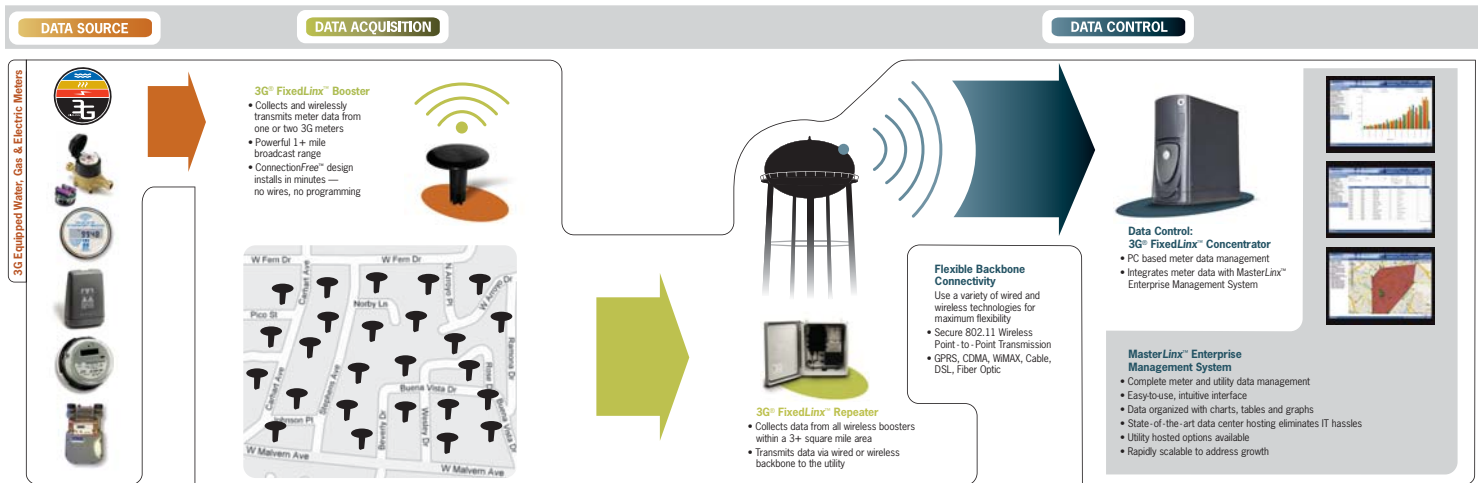
Main Case - The Booster is constructed of glass fiber reinforced ABS polymers to resist impact, and withstand years of physical and environmental stress. Our IP-68 environmental rating means internal components are securely protected against harsh weather conditions and moisture intrusion. Pit set Booster designs are engineered and tested to survive real-world utility conditions.

Environmental Temperature Rating -40F – +158F (-40C – +70C)

Power Supply - Internally powered by two 3.6 volt AA Thionyl Chloride Lithium batteries with advanced power life management design. Batteries are rated and covered by 20-year warranty; first 10-years at full-replacement value, the last 10-years at a prorated schedule.

- 1 Certain atypical field situations (such as a large bank of meters) may require programming to direct communication between the Booster and its corresponding meters.
- 2 Proprietary algorithms enable the Booster to listen for, and automatically sync with the two nearest 3G registers providing the strongest signal strength. Certain field conditions may impair this automated feature set and require limited, simple programming.
- 3 4-hour interval is factory default setting recommended for maximum battery life. Booster can be field programmed by the utility to transmit data at other intervals though this action is not recommended and may adversely affect warranty coverage.
- 4 Depending on property size, placement and distance between different utility meters.
- 5 Reference to distance and signal range is based on typical propagation. Foliage density, large metal objects, or dramatic topographic undulation can limit expected distance.

FIXEDLINX FLEXIBLE SYSTEM ARCHITECTURE



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