



# EMU-2 Energy Monitoring Unit

The EMU-2 is a highly reliable, secure, in-home display, designed with the consumer in mind. The EMU-2 brings together years of user feedback and interoperability experience to create a robust in-home display suitable for large-scale deployments.

EMU-2 presents real-time energy use, price and billing data, text messages, and other utility-mandated information, as communicated from a ZigBee equipped smart meter. This type of instant feedback has been shown to be critical to providing a positive user experience, and increases participation and effectiveness in conservation programs.

The EMU-2 user interface is simple: an up or down button scrolls the display through easy-to-understand display modes. No configuration, setup, or user instruction is required. EMU-2 displays the user's demand status via an intuitive traffic-light green/amber/red LED light configuration.

The large backlit display allows users to view the screen in any environment. The battery backup allows electrical loads to be checked out on-the-spot. Batteries also allow the unit to communicate with the smart meter and get messages, even if the power is off. This is helpful for users on pre-paid metering plans that forgot to top-up their accounts.

With its 2-way ZigBee wireless link to the smart meter, EMU-2 can support custom features such as pre-payment, opt-out, and data for water and gas usage.

- **Low Cost**
- **Simple operation**
- **Graphical backlit screen**
- **Two-way wireless**
- **Colored LED stoplight for real-time demand**
- **Secured with Elliptic Curve**

Specifications	
Power	AC adapter (included), 2xAAA for backup and portability
Language Support	English, French, Spanish
Wireless Link	ZigBee® Smart Energy Public Profile IEEE 802.15.4 MAC, 2.4GHz ISM Band Receiver sensitivity: -99dBm, Transmit Power: +20dBm
Wireless Range	Up to 50m (150ft) (highly dependant on usage environment)
Display	128x64 Graphical LCD with white backlight
Upgrade Path	Field upgradable firmware over-the-air, or via USB
Standards	ZigBee Certified Product, ZigBee Smart Energy Profile 1.1
Security	Preconfigured Link Key, Certicom Implicit Certificate Authentication
Provisioning	Factory/warehouse pre-pairing based on Installation Code or user pairing through phone/web based automated activation.
Mounting Options	Free-standing on a flat surface, or magnet mountable on a fridge, or wall mount with built-in keyholes.
Operating Temperature	0°C to 50°C (indoor use only)
Storage Temperature	-10°C to 60°C
Dimensions	10.1cm x 7.0cm x 2.3cm

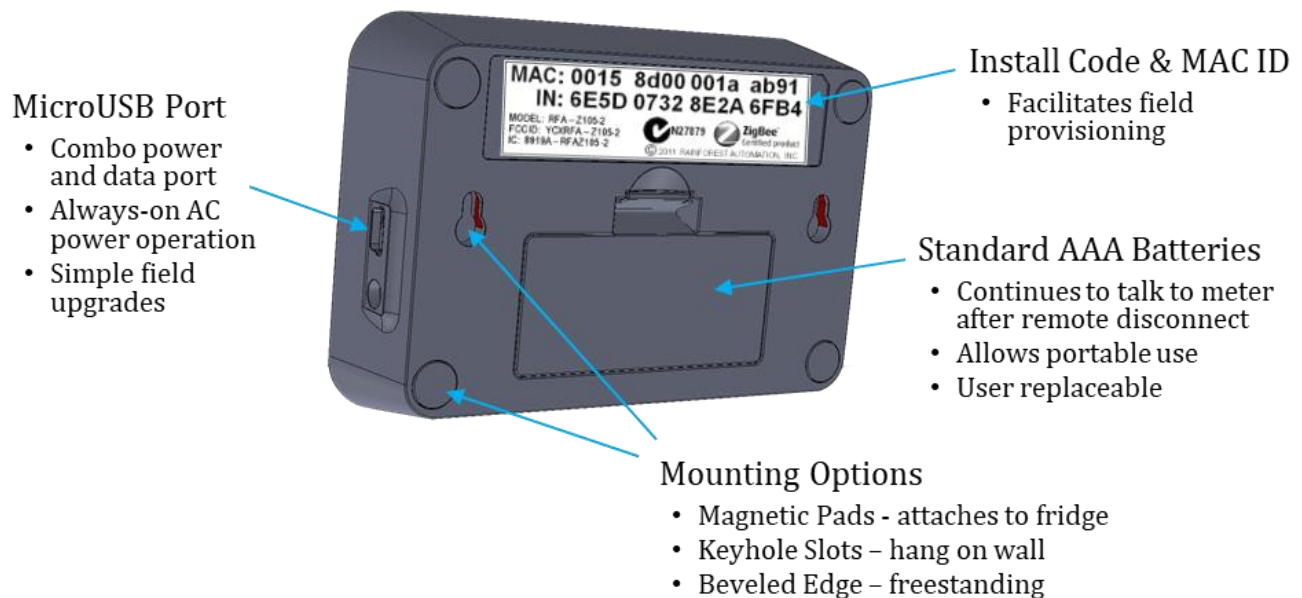
Ordering Info	
RFA-Z105-2	Standard EMU-2 Product



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