

Nexgrid® Technology Solutions

KEY FEATURES

- Standards-based communication
IEEE 802.15.4 ZigBee protocol
- Remotely Configurable
- Tamper Detection
- Leak Detection
- Low Battery Indication
- Sophisticated power management
for long battery life.
- Full Two-way communication
- Secure OTA Upgrades
- Effectively services hard-to-reach
meter environments
- Configurable usage updates and
alarm thresholds
- Accurate time stamps on
register reads and events

Nexgrid
915 Maple Grove Drive
Suite 200
Fredericksburg, VA 22407
888.556.0911
www.nexgrid.net

intelaMeter™ Water

Wireless Meter Interface Unit (MIU) for Water Meter

Nexgrid's water meter interface provides users with a real-time, two-way, standard-based water AMI system. Nexgrid's MIU is equipped with a ZigBee compliant radio that supports MESH networking capability to communicate with Nexgrid's ecoNet™ gateways and intelligent end devices. The MIU also provides interval data along with tamper and battery health information. Nexgrid's Utility Management portal, ecoOne® provides real-time management and monitoring of the Water Network.

Additionally, consumers can view their water usage at intelaHome.com, a web-based consumer portal. intelaHome® can be accessed from any computer, mobile phone, or ecoStat in-home display.

Nexgrid's intelaMeter MIU is compatible with the UI-1203 standard and supports all major water meter brands on the market.



Technical Specifications

Nexgrid Part Number	intelaMeter MIU-ZIG
Interface	ZigBee Wireless (IEEE 802.15.4 compliant)
Mechanical Dimensions	99 x 108 x 44 (L x H x D, mm)
Weight	7.5 g
Operating Temperature	-40 C to +60 C
Operating Humidity	0% - 100%, condensing
Transmit Power	100 mW
Transmission interval	User Configurable
Interval Meter Data Storage	Configurable; 180+ days at 15-minute reads
Encryption	AES /DES capable
Signal Rate	250 kbps
Frequency	FCC regulated 2400 MHz to 2483.5 MHz (part 15 compliant)
Environmental	IP68
Battery	(2) Lithium Thionyl Chloride AA Cell
Battery Life	20 years at default settings
Antenna	Integrated antenna diversity
Rx Sensitivity	-99 dBm