

MAXIMIZE YOUR METER'S EFFICIENCY

The Merlin NB-IoT Clip-On enhances
the digitisation of water meters.

Merlin NB-IoT Clip-On



Honeywell

CORRESPONDENCE THAT CLIPS ON

The Merlin NB-IoT Clip-On is a modern, secure communication device that operates on cellular NB-IoT systems to improve the connectivity of water networks.

This clip-on module can be attached to one of our volumetric, single-jet or turbine meters, or retrofitted to an existing meter base. Once installed, and integrated with Honeywell's market-leading, end-to-end software and analytics solutions, the Merlin NB-IoT Clip-On collects granular data on a daily basis for more accurate, timely and efficient metering operations.

A METER-SPECIFIC APPROACH TO PREVENTIVE MAINTENANCE

This AMI solution for residential water meters helps you make the most of every drop of water before damages can wreak havoc on water networks, operations and sustainability efforts. To minimize leaks, loss of non-revenue water, associated costs, and improve network resiliency, the Merlin NB-IoT Clip-On:

- Collects and manages data
- Provides detailed analytics for targeted upgrades and repairs
- Sends revenue protection, leak, suspected tampering and improper flow notifications that can reduce non-revenue water
- Improves distribution and grid efficiency
- Optimises overall operational performance

Reducing non-revenue water starts at the utility level. This is why the Merlin NB-IoT Clip-On Module is highly communicative and responsive to network system anomalies. With daily access to water meter data that helps identify leaks, theft and backflow, its digitized functions like OTA communication and on-time alerts also enable the need for less manual intervention, for less truck rolls and a greater sustainable impact.





RELIABILITY COMES STANDARD

The Merlin NB-IoT Clip-On can deliver financial efficiency, and ensure sustainability and regulatory objectives are achieved over longer periods of time while helping protect water, time, revenue and data:



SECURE DATA

- Advanced AES 128 encryption
- Patented resonant target mechanical to digital interface ensures parity between meter register and transmitted data.
- Optimised antenna design for extended range capability

DEVICE LONGEVITY

- The module can operate for more than 15 years in normal operating conditions (up to 30°C ambient temperature) within narrow band coverage modes 0 and 1.

5-8% POSITIVE CASHFLOW

The impact stems from:

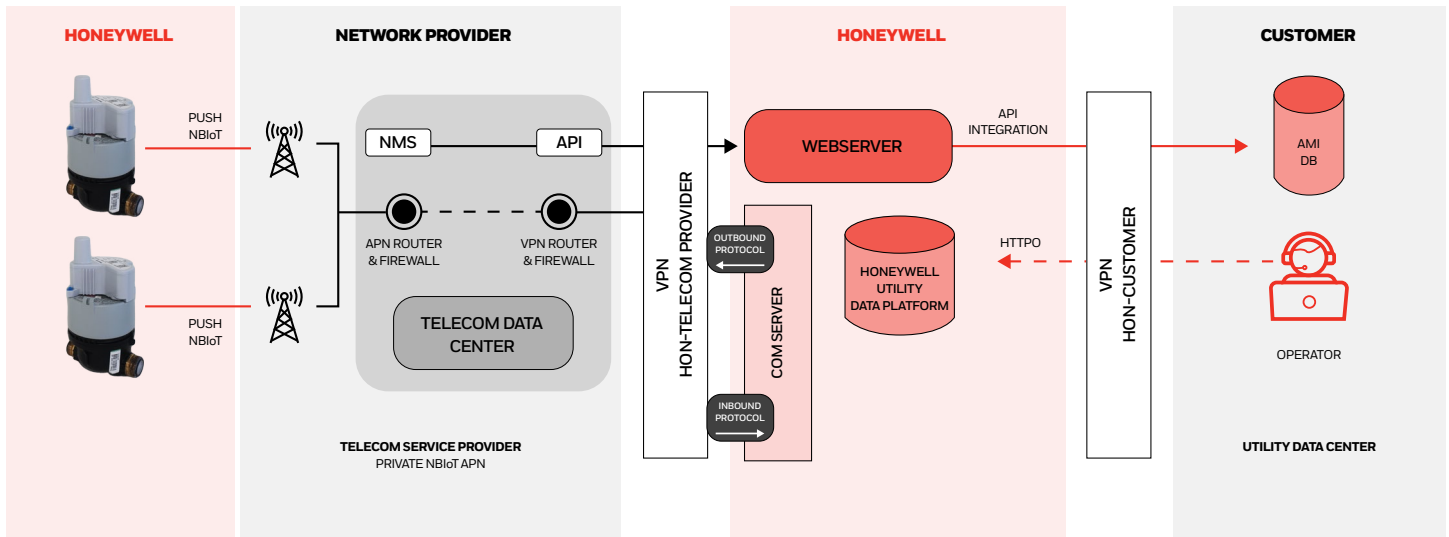
- Improved metrology
- Efficient revenue recovery
- Improved customer service
- Reduced non-revenue water usage
- Operational efficiency
- Regulatory controls compliance

EXTENDED COMMUNICATION FEATURES

- Patented super-efficient FOTA methodology for remote data configuration and non-metrological upgrades

When improving the connectivity and security of water utilities, constant, accurate communication is crucial. The Merlin NB-NB IoT Clip-On is a reliable device that helps ensure correspondence is frequent, accurate and that necessary data is reported concisely.

SOLUTION ARCHITECTURE



A COMPLETE SOLUTION BENEFITS AN ENTIRE NETWORK

Implementing the full Honeywell digital water solution of NB-IoT-enabled water meters, the Merlin NB-IoT Clip-On module, data bundle, software and analytics, utilities can experience significant annual savings from improved metrology, efficient revenue recovery, improved customer service, reduced non-revenue water usage and operational efficiency.

For more information

<https://pmt.honeywell.com/us/en/businesses/smart-energy/water>

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**THE
FUTURE
IS
WHAT
WE
MAKE IT**

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