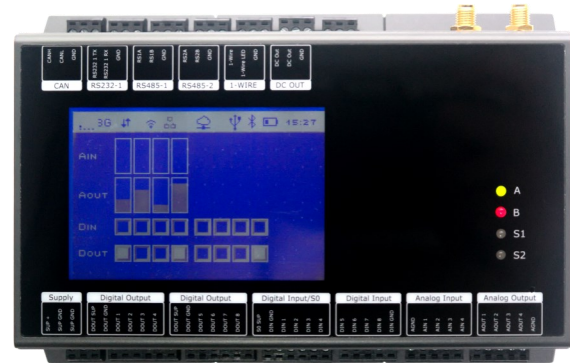


# Wireless M-Bus option Specifications

The RTCU NX-400 offers optional support for the industry standard Wireless M-Bus. Wireless M-Bus was originally defined for Smart Metering (i.e., Meter-Bus), but it's also the ideal solution for Industrial Wireless Sensor Networks. Wireless M-Bus has been developed and proven over many years for Smart Metering applications.



## Key Features and Technical Data:

### Wireless M-Bus specifications:

- ◆ Long Range with up-to 1000 meters.
- ◆ Lightweight protocol.
- ◆ Support for uni-directional or bi-directional communication.
- ◆ Operating on license-free ISM bands.
- ◆ 868 MHz, 433 MHz, and 169 MHz options.
- ◆ Support for AES-128 encryption/authentication.
- ◆ Support for C,R,S,T modes.
- ◆ Interoperability with many vendors.
- ◆ Four regional versions available:
  - WM1: 868 Mhz / EU CE.
  - WM2: 868 MHz / Russia.
  - WM3: 865 MHz / India.
  - WM4: 433 MHz / non-EU.
- ◆ External SMA male connector.
- ◆ Factory installed option. Can not be retrofitted.

### Powerful software features:

- ◆ User-friendly high-level API.
- ◆ Full encryption support.
- ◆ Comprehensive documentation with example project.
- ◆ Software support implemented as an RTCU M2M Platform Extension module.
- ◆ Open source allowing further customization.



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### Models Available

SKU:  
RT-FO-WBUS1      RT-FO-WBUS2  
RT-FO-WBUS3      RT-FO-WBUS4