



wM-Bus 169/868 USB stick it is a self-contained 169 or 868 MHz ISM band transceiver radio module designed to communicate with Maddalena wM-Bus radio modules.

The USB stick radio module is provided with USB-A type connector used as power source but also to send and receive data from a PC/Tablet.

The radio front-end is provided with embeded antenna (only on 868MHz variant) or with SMA RF connector for external antenna.

The 868 MHz compact variant with embedded antenna is ideal for walk-by readout operations in sub-metering domain where compactness and portability in a key feature.

The variants with RF connector (available on both 868 and 169 MHz) are ideal to be paired with a rooftop mounted antenna for drive-by operations in metering domain.

The USB radio stick send and receive data through USB port over a specific protocol and has been designed to be paired with Maddalena's readout and configuration software running both on Windows and Android OS.

MAIN FEATURES

- 868 or 169 MHz ISM band variants
- Bidirectional communication
- USB Type-A connector for power supply and communication
- Omnidirectional internal antenna (only 868MHz variant)
- External antenna connector (SMA type) variant

TECHNICAL SPECIFICATIONS

	868MHz variant	169 MHz variant
Built-in radio interface	868 MHz ISM band	169 MHz ISM band
Radio transmission modes	wM-Bus T/S/C modes	wM-Bus N2 mode
size	65x22x18 mm	65x22x18 mm
Transmit power	Up to 12 dBm	Up to 16 dBm o
Power supply	Through USB port	Through USB port
Data rate	From 9600 to 115200 bps	From 9600 to 115200 bps
Protection rating	IP55	IP55
Antenna type	Internal omni or SMA connector	External through SMA connector