

Product description

Maia is a single embedded low cost wireless M-Bus RF Module, which contains a complete OMS stack to OMS 3.x or 4.x specification with encryption mode 5 and mode 7 with Security profile A and B (for BSI application).

The software enables a quick setup of meter (Tx) or gateway (Rx) applications to the OMS specification. The stack is prequalified by the OMS group and includes all OMS layers separated from the data inside the Application Layer (ALL). That means only the application data needs to be created by yourself. The rest of the complete wM-Bus / OMS frame is created by the wM-Bus / OMS stack.

Manual & example codes

Please contact us to receive the detailed manual and example codes at: maia-help@weptech.com

The applications for meter and gateway site are described in detail in the manual.

A **Maia Evaluation Kit** is also available.

End-user license agreement (EULA)

When purchasing the module, you must sign an EULA contract, which establishes you the right to use this software.



Features:

- OMS V 3.0 / 4.0 with mode 5 and mode 7 (AES-128, CMAC for BSI)
- Wireless M-Bus, EN13757-4:2013 Standard
- C-, S- and T-mode
- Output power: up to +11 dBm
- 2 options for connecting an external antenna: antenna pad or u.FI socket
- ARM® Cortex®-M0+ Controller
- 32 MHz, 64 K flash, 8 KB RAM, 2 KB EEPROM
- Small foot print
- Ultra low power for battery operation
- Several interfaces can be used
- Wake-up-Timer using crystal
- Compliant with R&TTE and conform to CE regulations