

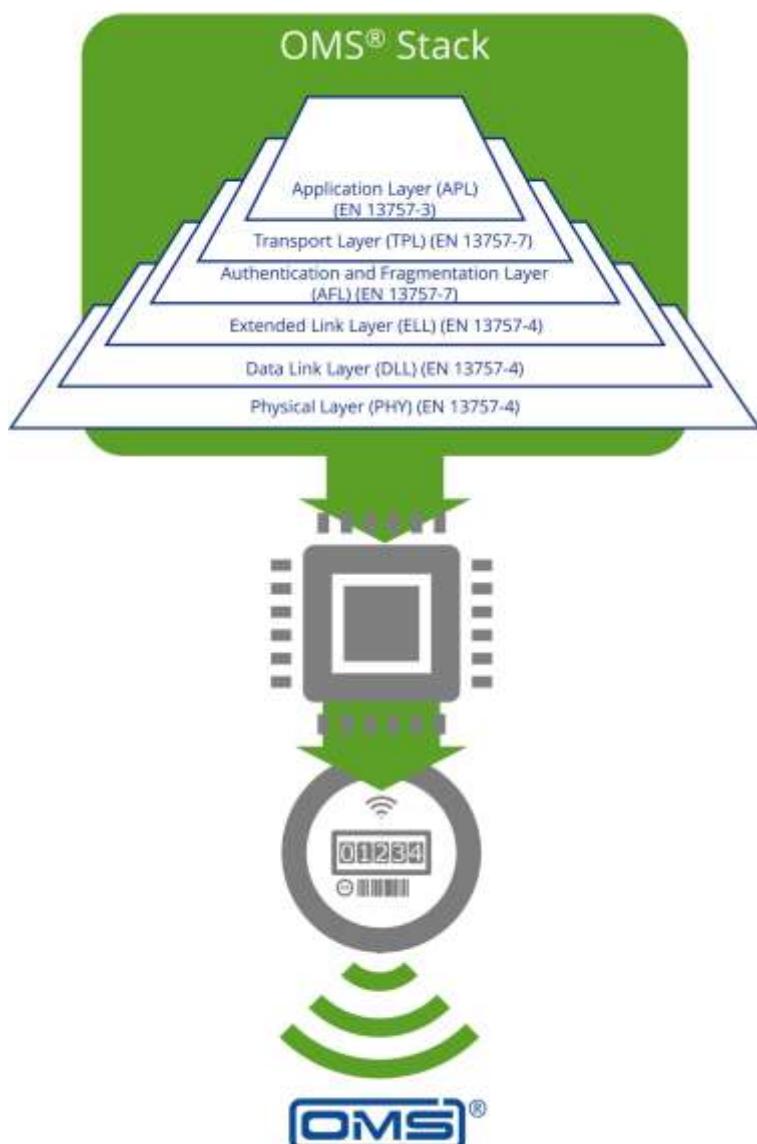
OMS® v4.3.3 / wM-BUS FOR GATEWAY DEVICES

The OMS® Stack for Gateway Devices is a proven software solution that plays a key role in smart metering infrastructures.

It enables data transmission from numerous meters and sensors. The v4.3.3 stack implements all core protocol elements required for wM-Bus compliance and supports a broad set of features as defined in EN 13757 and its related sub-standards.

Thanks to its mature architecture and reliable performance, OMS® v4.3.3 remains a solid choice for established metering solutions.

Note: For new product developments, we recommend using the OMS® Stack version 4.5.1, which brings additional features and continuous improvements.



- Compliant to EN 13757-3/-4/-7 (Wireless) M-Bus and OMS® Specification
- Twenty end devices can be connected to one gateway device
- Bidirectional as well as unidirectional communication possible
- Pre-certification on reference hardware platform

SUPPORTED SPECIFICATIONS

Compliant according

- EN 13757-3/-4/-7
- OMS® Specification

STACK FEATURES

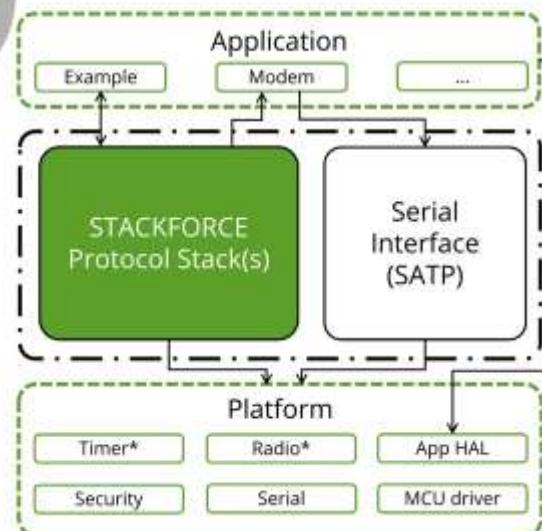
OMS® v4.3.3 / Wireless M-Bus

- Operation modes S, T or C
- Security profiles A or B (encryption modes 0, 5 and 7)
- Basic telegram reception from meters that are in range
- Meter registration and supervision
- Sending of commands and data requests to the connected meter (bidirectional only)



STACK PACKAGE

STACK PACKAGE ARCHITECTURE



REFERENCE HARDWARE

- CC1310
- CC1312

STACK CHARACTERISTICS

Memory requirements*

	Library	Applications, HAL, drivers, other software
Unidirectional		
Flash	~ 45,9 kB	~ 35,5 kB
RAM	~ 4,5 kB	~ 14,9 kB
Bidirectional		
Flash	~ 65,6 kB	~ 35,7 kB
RAM	~ 5,1 kB	~ 15,2 kB

YOUR BENEFITS

- ✓ Example application allowing an easy start-up of the stack
- ✓ Support for use in conjunction with common embedded operating systems (OS), such as TI-RTOS or OS-less (bare metal)
- ✓ Flexible licensing options according to your number of devices
- ✓ Professional support and long-term maintenance and availability

* The code sizes described above specify the typical required memory for operating the full featured protocol stack as a library including related drivers. Values based on LAUNCHXL-CC1310.