

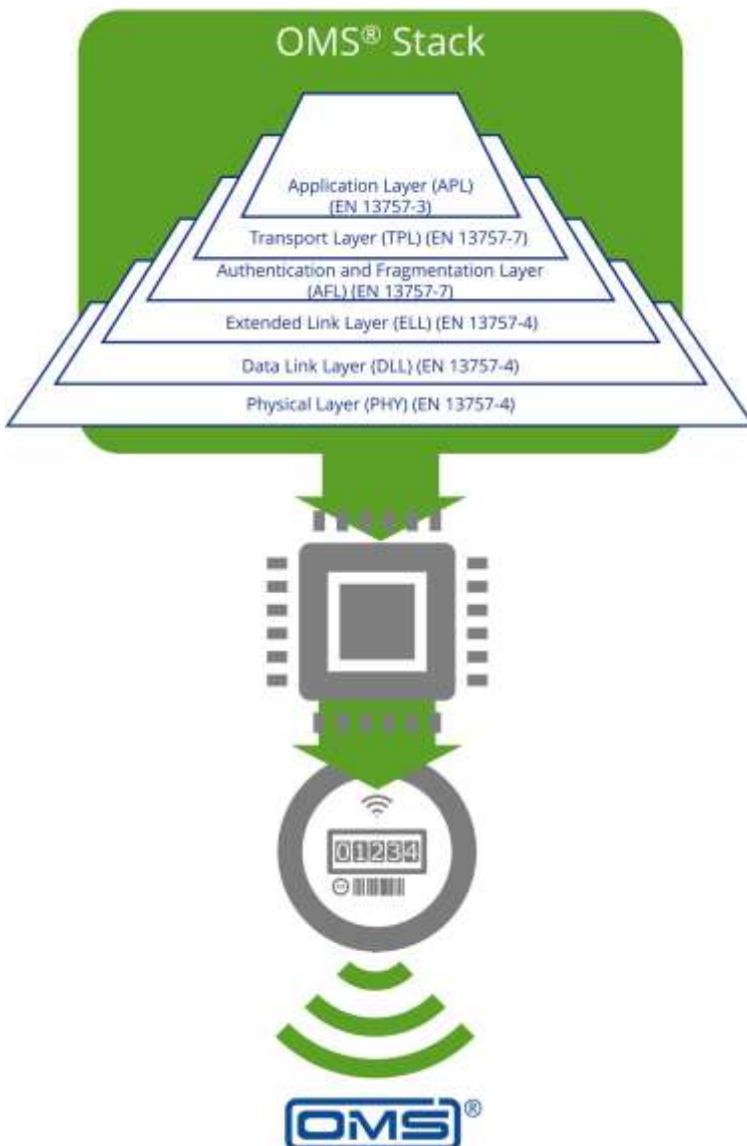
OMS[®] v4.3.3 / wM-BUS FOR END DEVICES

The OMS[®] Stack version 4.3.3 is a well-established and reliable software solution for Wireless M-Bus-based metering applications.

It implements all essential protocol elements required for Wireless M-Bus compliance and supports a wide range of features specified in EN 13757 and its sub-standards – with a strong focus on the most relevant and widely used functionalities.

This product offers a well-balanced combination of compact footprint, excellent modularity, and flexible scalability, making it a solid foundation for smart metering solutions across various use cases.

Note: For new developments, we recommend migrating to the newer OMS[®] Stack version 4.5.1, which includes additional features and ongoing enhancements.



Compliant to EN 13757 -3/-4/-7 (Wireless) M-Bus and OMS[®] Specification



Low complexity and optimization of energy consumption



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 5 and 7)
- Enables application to support all use cases specified by Annex M „Requirements for OMS® use case support“
- Annex C „Sensor“ compatibility

REFERENCE HARDWARE

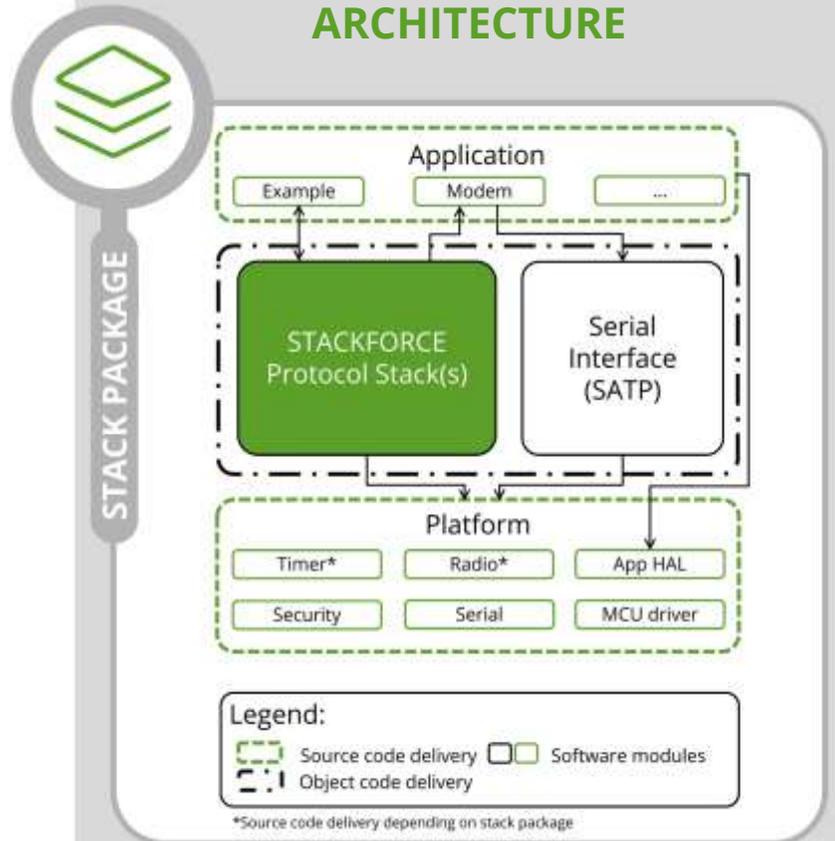
- CC13x0

MEMORY REQUIREMENTS*

	Library version	Modem version
Unidirectional		
Flash	25 – 50 kB	50 – 65 kB
RAM	5 – 8 kB	8 – 10 kB
Bidirectional		
Flash	50 – 65 kB	65 – 80 kB
RAM	7 – 10 kB	10 – 12 kB

* The code sizes described above specify the typical required memory for operating the full featured protocol stack including related drivers.

STACK PACKAGE ARCHITECTURE



YOUR BENEFITS



Example application allowing an easy start-up of the stack



On-the-fly configuration: Quick stack adaption to different use cases



Flexible licensing options according to your number of devices



With a directly available OMS® v4.3.3 Standard Stack you shorten your time-to-market significantly.