STACKFORCE
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OMS® v5.0.1

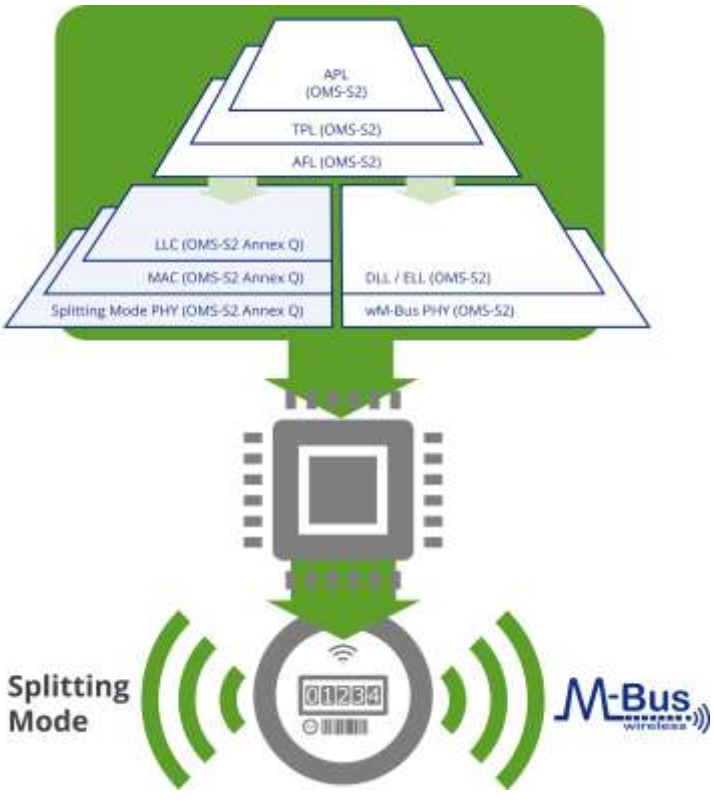
LPWAN UL-S1/S2 + wM-BUS C1 FOR END DEVICES

Our innovative OMS® v5.0.1 Dual Stack delivers a powerful solution from the latest OMS® generation, designed for modern metering applications.

By combining the proven Wireless M-Bus C-mode with the advanced OMS® LPWAN Splitting Mode, you benefit from maximum performance with reduced complexity.

Thanks to enhanced interoperability and the further development of TS-UNB technology (ETSI TS 103 357) by OMS®, this stack is perfectly tailored for stationary utility measurement systems.

It empowers your customers to deploy efficient new OMS® networks or seamlessly expand existing ones – future-ready and reliable.



- Compliant to EN 13757 and OMS® Specification, implementing Gen. 5 Annex Q “OMS® LPWAN”
- Excellent robustness due to the implementation of the Telegram Splitting Technology
- Significantly higher range of the new OMS® generation vs. OMS v4 – thanks to Splitting Mode
- Pre-certification on reference hardware platform

SUPPORTED SPECIFICATIONS

Compliant according

- EN 13757 and OMS® Specification, implementing Gen. 5 Annex Q “OMS® LPWAN”
- TS-UNB – ETSI TS 103357

STACK FEATURES

- Unidirectional OMS® v5.0.1 LPWAN UL-S1 & UL-S1/S2
- Unidirectional Wireless M-Bus C-mode according to OMS® v5.0.1
- Telegram scheduler
- OMS® Security profile B
- Synchronous transmissions regardless of communication mode

REFERENCE HARDWARE

- EFR32FG23
- EFR32FG28

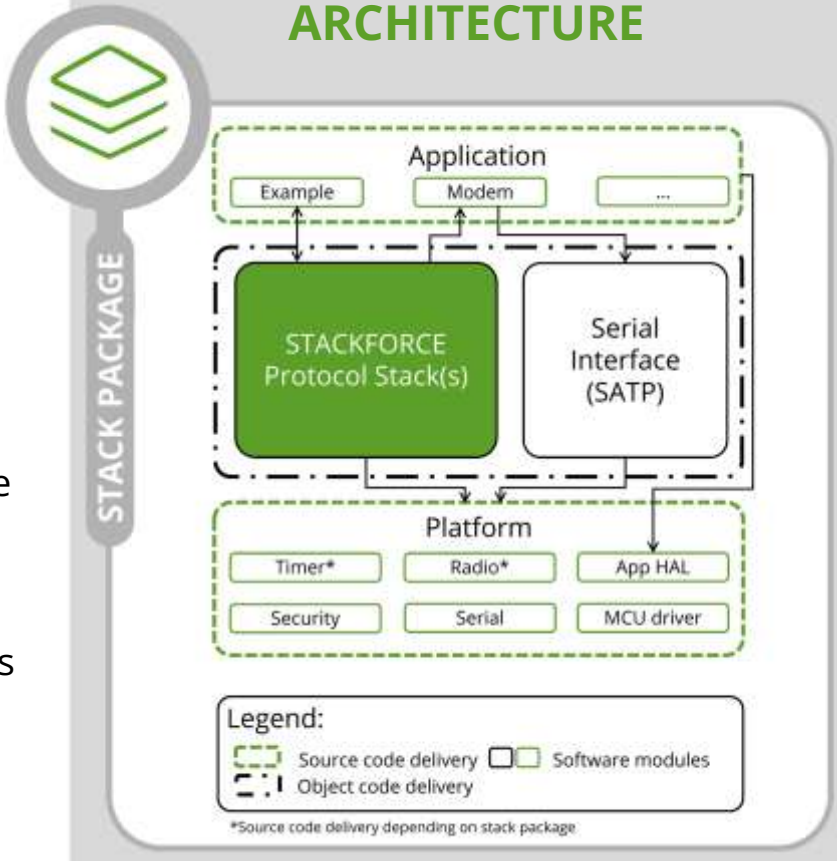
STACK CHARACTERISTICS

Memory requirements*

Flash	Library
Stack library	~ 19 kB
Platform	~ 6 kB
Apps, Drivers, other SW	~ 14,5 kB
SDK	~ 60 kB
RAM	**Library**
Stack library	~ 2 kB
Platform	~ 1 kB
Apps, Drivers, other SW	~ 12 kB
SDK	~ 14,5 kB

* 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 EFR32FG23.

STACK PACKAGE ARCHITECTURE



YOUR BENEFITS

- The OMS® v5 stack generation enables a high degree of device interoperability
- Always connected: Fixed networks with Splitting Mode and wM-Bus C-Mode fallback for walk-by/drive-by
- Platform Interface enabling customization and fine tuning of Platform Driver
- With a directly available OMS® v5.0.1 dual stack you shorten your time-to-market significantly