

Press Release

21/10/2021



IMST's LoRaWAN® radio modules get new firmware update

Firmware update to LoRaWAN® v1.0.4 and further functionalities

Kamp-Lintfort, Germany, 21.10. 2021– IMST has released an update for the LoRa® radio module according to the latest LoRaWAN® specification v1.0.4, including the support of Class A and Class C (unicast and multicast messages). Additionally, it brings a new functionality that allows a device-to-device LoRa® communication.

“The latest LoRaWAN® specification v1.0.4 becomes the recommended version for new design. It simplifies LoRaWAN® development, deployment, management, and provides several security updates” says Heinz Syrzisko, head of Wireless Solutions at IMST GmbH. “We are proud to announce that all our radio modules are LoRaWAN® certified and additionally allow point to point communication without the need for further LoRa® infrastructure (gateway or network server) while remaining compliant with the LoRaWAN® specification.”

New LoRaWAN® FW features:

- Compliant with LoRaWAN® v1.0.4 specification
- LoRaWAN® OTA activation (ABP for testing purposes)
- Class A and Class C support (unicast and multicast messages)
- Automatic power saving
- Device-to-device communication
- Device Time Synchronization
- Interface for RTC access
- Host Controller Interface

The new firmware supports the DeviceTimeReq command to request the current network time from the Network Server. This allows the end-device to synchronize its internal clock to the network's time.

Wireless Solutions is one of the core competences of IMST GmbH. We offer easy-to-integrate radio modules for licence-free frequency bands as well as comprehensive design services. We will be happy to assist you in every phase of the development process: From feasibility study, through prototyping and certification, or even all the way through to mass production. By keeping your project under one roof, you ensure faster time-to-market and avoid higher development costs and risks.

IMST GmbH

IMST is a leading design and development centre for radar, radio modules, communication systems, chip design, antennas and regulatory certification and has its own accredited test centre. IMST offers both standard products such as radio modules with hardware/software and complete system and product developments. Further information is also available at www.imst.com

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