



# UCAN-BT

CAN to Bluetooth® Adapter

## UCAN-BT: CANbus to Bluetooth<sup>®</sup> Adapter



The **UCAN-BT** adapter enables connection to CAN networks via any device that supports **Bluetooth<sup>®</sup> Low Energy (BLE)**. You can connect your devices such as PC, tablets and mobile phones to your CAN network using the **UCAN-BT Master unit**, or you can even set up a small network using the **UCAN-BT Slave units**.

You can immediately install and use the Avioni CAN message list application (APK file), which allows you to connect your Android device to your CAN line and send/receive messages.

Or develop your own applications with **Avioni UCAN-BT API**, which you can use with **Android Studio**.



**TECHNICAL FEATURES:**

- Low latency fast connection with Bluetooth<sup>®</sup> 5.
- High-speed CAN connection (ISO 11898-2).
- Bit rates from 5 kbit/s up to 1 Mbit/s.
- Compliant with CAN specifications 2.0A (11-bit ID) and 2.0B (29-bit ID)
- CAN bus connection: 1-meter dual wire cable (Standard)
- CAN bus connection: via D-Sub, 9-pin (in accordance with CiA<sup>®</sup> 106 upon request)
- Power connection: 9 - 32V DC
- 32-bit RISC-V single-core processor, up to 160 MHz
- Infineon TLE6250GV33 CAN transceiver
- Galvanic isolation on the CAN connection up to 500 V (upon request)
- Extended operating temperature range from -40 ~ 85 °C
- Status LED for visual debugging.
- High protection against dust and water: IP67
- Supporting all devices which have Bluetooth<sup>®</sup> Low Energy (BLE) via API for development purposes.
- Shipped with Android Application to the customers.

