UCAN-BT

CAN to Bluetooth® Adapter

UCAN-BT: CANbus to Bluetooth® Adapter

The **UCAN-BT** adapter enables connection to CAN networks via any device that supports **Bluetooth® Low Energy (BLE)**. You can connect your devices such as 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® 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® 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® Low Energy (BLE) via API for development purposes.

- Shipped with Android Application to the customers.