

OBU C-ITS

The OBU C-ITS is a device to be installed on a vehicle (On Board Unit). It is capable of two-way wireless communication with road infrastructure according to the V2X and C-V2X standards to ensure high data exchange security and reliability levels. It is used for advanced monitoring of road events and efficient traffic management.



TECHNICAL SPECIFICATIONS

- 5.9 GHz Radio: 1 x IEEE 802.11p / C-V2X (3GPP Rel. 14/15)
- Software stack for ITS-GS
- GNSS module (GPS, Galileo, GLONASS, BeiDou)
- 1200 MHz quad-core CPU
- 2 GB DDR RAM
- 8 GB Flash
- 1 Gbit Ethernet
- 1 Ethernet Automotive (BroadR-Reach)
- Wi-Fi-6 802.11 a/b/g/n/ac/ax
- Bluetooth 5.3
- Accelerometer
- USB, HDMI
- 2 CAND FD lines
- M.2 Key B expansion
- STSAFE TPM 2.0

MAIN FEATURES

- Supports all V2X standards
- Dual-Mode (DSRC/802.11p and C-V2X)
- Connectors for external antennas (DSRC, GNSS and WiFi/BT)
- Secure Key Storage ensures high security levels
- Equipped with a browser-based service interface for easy configuration, diagnosis and software updates
- Has a Pcie expansion slot for an optional modem (LTE or 5G)

DIMENSIONS AND SPECIFICATIONS

- Power supply: 8-36 VDC
- Weight: 550 g
- Dimensions: 28x196x106.4 mm