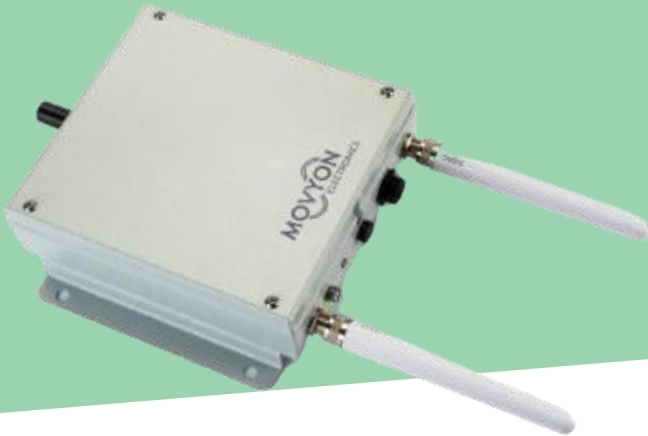# MOVYON ELECTRONICS

C-ITS RSU

The Road Side Unit C-ITS enables two-way wireless communication between the roadside infrastructure and the On Board Unit (OBU) in the vehicle, ensuring high levels of safety and reliability in data exchange. IT enables advanced monitoring of roadside events and efficient traffic management. The solution, fully developed and manufactured by Movyon Electronics, can be customized according to customer needs.

MAIN FEATURES

- Supports all V2X standards.
- Dual-Mode (DSRC/802.11p and C-V2X)
- Connectors for external antennas (DSRC and GNSS)
- Stainless steel case with integrated heat sink
- Provides high levels of security through secure key storage.
- Equipped with a "browser based" service interface for easy configuration, diagnostic and software updates.
- PCIe expansion slot for an optional modem (LTE or 5G)
- Isotropic V2X antennas and external antennas for GPS included.

KEY FEATURES

- Contains no moving parts
- High speed of replacement.
- Can be wall or pole mounted using the bracket provided upon request

TECHNICAL FEATURES

- 5.9 GHz Radio: 1 x IEEE 802.11p / C-V2X (3GPP Rel. 14/15)
- Receiver sensitivity until -97 dBm (802.11p)
- Software stack for ITS-G5
- GNSS module (GPS, Galileo, GLONASS, Beidou)
- Quad core CPU 1200 Mhz
- 2 GB DDR RAM
- 8 GB Flash
- Ethernet with Power over Ethernet (48V PoE 802.3at)
- CE RED Compliant
- Operating Temperature: -40 to +85°C

DIMENSIONS AND SPECIFICATIONS

- Power Supply: IEEE 802.3 AT/BT Class 4
- Power consumption: Max 20 W
- Weight: 3,7 kg
- Dimensions: 254x230x94 mm
- Degree of protection: IP67