

Colorado DOT I-70 Mountain Corridor.

Colorado (USA).

Kapsch TrafficCom is the first manufacturer to submit its RIS-9260 roadside unit (RSU) for dual-use certification by the OmniAir Consortium, the global industry association promoting interoperability and certification for intelligent transportation systems, tolling, and connected vehicles. The Kapsch RIS-9260 is used in connected vehicle (V2X) applications and can operate within either or both the DSRC and C-V2X protocols as dual-mode/dual active. It is already OmniAir-certified for DSRC operation.

Kapsch TrafficCom V2X Technology Enables Future Connectivity and Protects Infrastructure Investment



Project Scope:

The goal was to establish a smart and connected roadway that provides vehicles and authorities with the necessary information and increased safety.

- Implementing the first real-world demonstration of V2X: connecting vehicles, roadways, regional traffic management center in Denver
- The performed services for the project include specification, development, design, validation, integration, and deployment in the context of Panasonic / C-DOT / I-70
- While highlighted as a deployment project, the project also served as a product development vehicle for the RIS-9260

The Challenges:

The weather conditions in Colorado provide a major challenge for road authorities, but thanks to vehicle communication information regarding road conditions, weather conditions, accidents and reliable travel times can be provided in real-time.

The Solution:

- RIS-9260 Roadside Unit (RSU)
- Dual-mode and dual-active capable for DSRC and C-V2X
- The adaptable design of the dual-mode / dual-active RSU which removes investment risk for roadway operators with operating capability on both DSRC and/or C-V2X protocols
- C-V2X with determined method of channel access by time slot allocations



Your Added Value

- Provides fast V2I data exchange to enable full capabilities of cooperative systems
- RSU works with numerous traffic controllers and supports various applications