



Transit CAS

Transit Crash Avoidance System

The Transit Crash Avoidance System is a combination of Cohda MK5 OBUs, RSUs, V2X safety applications and our CAS display to provide a new level of safety for transit operators. With the V2X enabled CAS system, a very cost-effective approach is available to add collision warning to transit vehicles in specific operating zones, such as specific transit lanes or interchanges.

Additionally, the system can be a starting point for enabling communication for transit vehicles for further applications in today's connected world.

The CAS is already deployed in Australia on hundreds of transit vehicles.

Transit CAS Solution

CAS Applications

Cohda Wireless has deployed the following applications into our Transit CAS solution: Forward Collision Warning, Following Distance Warning and Speed Limit Warning. The applications provide a level of safety previously not available to transit vehicles on a easily accessible aftermarket upgrade.

The solution can be limited to desired routes and depots based on geo-fencing rules. It is also equipped with a clean and simple interface to provide clear visual and audio information to transit operators.

In combination of the aforementioned CAS application set, transit authorities can consider adding even more value via the Transit Signal Priority application.

MK5 OBU

Cohda Wireless has a proven MK5 OBU that have become the industry leader in V2X mobility applications. Our MK5 units are widely used in this rapidly evolving sector, including major commuting projects, pioneering truck platooning initiatives and collision avoidance systems.

The OBU is fitted onto the transit vehicles and provide the connectivity and positioning component on the vehicles. It also executes the application logic and sends the appropriate information to the driver via the display.



MK5 RSU

The MK5 RSU is a rugged outdoor unit that is suitable for deployment outdoors. In the Transit CAS solution, it can be deployed at interchanges to provide the following capabilities: health check, software upgrade, and log harvesting. Additionally, in GPS challenged environments, Cohda MK5 RSUs can provide additional positioning performance with the V2X-Locate technology.

CAS HMI

Cohda's CAS HMI is a simple 3 light display with audio that provides a clear indication of potential safety threats.

With the audio element and red, amber and green visual elements available on the HMI, it provides an intuitive and familiar interface to transit operators.



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