

SKYWAVE™

AN ORBCOMM COMPANY

Datasheet



Heavy CAN Bus app

Extract actionable data from the CAN Bus of your heavy equipment or maritime asset.

SKYWAVE® terminal apps provide additional functionality without requiring custom code so IoT solution developers can build better products faster. We offer a wide range of terminal apps across multiple industries to help reduce technical requirements and unlock new industrial IoT capabilities.

In the heavy equipment and maritime industry, our Heavy CAN Bus terminal app addresses operational challenges by:

- Enabling vehicle health monitoring
- Streamlining diagnostics and troubleshooting
- Supporting predictive maintenance and component lifecycle management
- Optimizing fuel efficiency
- Facilitating regulatory compliance and reporting
- Providing performance analytics for fleet optimization

By providing businesses with data from three CAN Bus protocols (J1939, FMS, NMEA 2000), the Heavy CAN Bus app enables businesses to improve operational efficiency, reduce costs, enhance asset reliability and optimize fleet performance.

Accelerate time to market

Reduce development costs

Configurable and versatile

Free software upgrades

Free technical support

Configurations

The Heavy CAN Bus app can be used 'as is' as a building block for your application, combined with other SKYWAVE terminal apps to provide more additional functionality or combined with your own code to meet specific requirements.

Performance analytics and fleet optimization

CAN Bus data helps businesses analyze performance metrics to optimize their operations, from vehicle utilization and driver behavior, to fuel efficiency and fleet downtime.

Remote vehicle health monitoring

Using CAN Bus data, businesses can remotely monitor the health and performance of their heavy equipment vehicles to identify and fix potential equipment issues before they escalate.

Diagnostics and troubleshooting support

Streamline diagnostics and troubleshooting by configuring CAN Bus variables and activating diagnostic codes to monitor with over-the-air messages sent via satellite or cellular depending on terminal type. When vehicle issues occur, users can retrieve diagnostic trouble codes and other relevant data from the CAN Bus.

Predictive maintenance and component lifecycle management

Thanks to CAN Bus data, businesses can adapt a predictive maintenance approach and effectively manage the lifecycle of vehicle components. By monitoring vehicle parameters, performance trends and historical data, remote monitoring systems can predict potential failures or degradation of components before they occur.

Fuel efficiency optimization

Businesses can improve fuel efficiency by informing their operational decisions based on fuel consumption data, engine performance metrics and vehicle operating conditions from CAN Bus-enabled components.

Regulatory compliance and reporting

Heavy-duty vehicles must comply with various regulatory requirements, such as emissions standards, maintenance schedules and safety regulations. By collecting data from CAN Bus-enabled components, remote monitoring systems can track and report parameters relevant to regulatory compliance including emissions data, maintenance records and adherence to safety protocols.

Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check www.skywave.com to ensure you have the latest version of these specifications.

Terminal apps are available by subscription. Subscription fees are charged monthly for each activated terminal. For more info, contact your **SKYWAVE** account manager or sales@skywave.com | Call: **1-800-672-2666**

Visit our website www.skywave.com

SKYWAVE, an ORBCOMM company, is a global provider of IoT solution enablement technology. We empower solution providers, system integrators and OEMs to serve their customers through satellite and cellular managed IoT networks and a complete application enablement platform. We provide a fully integrated ecosystem of purpose-built devices, data automation and connectivity services for high-reliability, low-data solutions. SKYWAVE is where IoT powers mission-critical applications for the transportation, agriculture, oil and gas and maritime industries.