J1939 AGENT: OUT-OF-THE-BOX CONNECTIVITY TO THE J1939 VEHICLE/EQUIPMENT BUS

Expand your solution portfolio with SkyWave device-level applications.

J1939 Agent is a software application for IsatData Pro 700 Series satellite-cellular terminals that extracts parameter values from J1939 CANbus used for monitoring driver and vehicle/equipment performance. Out-of-the-box connectivity means that the J1939 Agent requires no programming and is ideal for quick integration with a new or existing enterprise application. This allows Solution Providers to deliver an end- to-end solution to customers faster and more cost effectively.
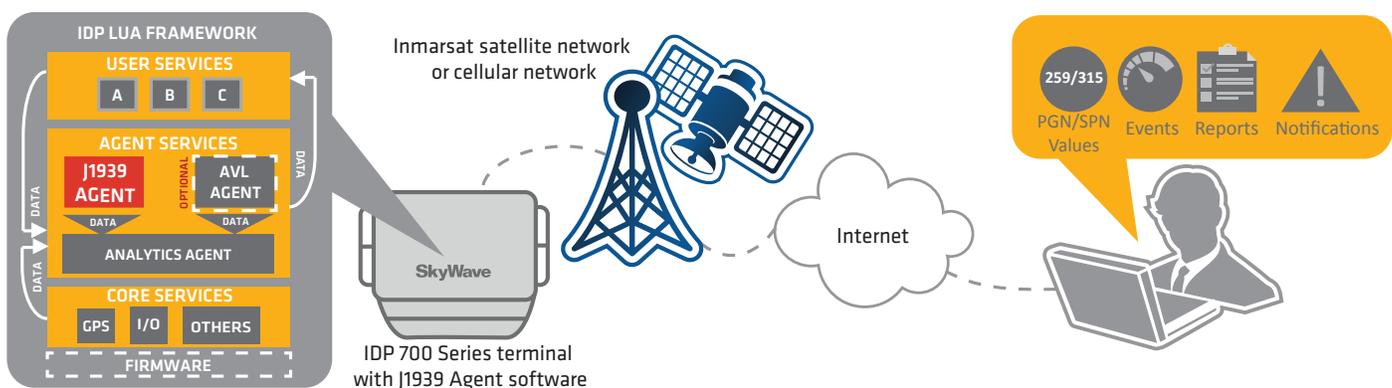
What It Does

J1939 Agent extracts information from the J1939 bus used for communicating operation control and diagnostics (speed, temperature, pressure, etc.), and provides it to a user service or a device-level application such as SkyWave's Analytics Agent for analysis, event notification and report generation.

Parameter values from J1939 bus can be used to identify usage patterns as part of monitoring engine health, vehicle performance and driver behavior.

SAMPLE APPLICATIONS

Data originating from a vehicle's J1939 bus can help customers achieve cost savings through:

- **Improved vehicle/asset operation:** Identify wear and tear due to poor driver operation and improper maintenance schedule.

- **Reduced fuel consumption:** Identify fuel waste as a result of poor driver operation and vehicle maintenance.

- **Improved driver safety:** Minimize accidents and lower repair costs through the implementation of higher driver standards which can lead to higher driver retention.

IDP 700 Series terminal with J1939 Agent software

J1939 Agent can be used with heavy duty fixed and mobile assets such as trucks, marine vessels, portable equipment (generators and compressors) and stationary equipment (generators).

How It Works

J1939 Agent can be installed on any IDP 700 Series satellite-cellular terminal. The application supports configuration for up to 100 Suspect Parameter Numbers (SPN) and 2 Broadcast Announce Messages (BAM). SPNs are specific data elements grouped by common purpose with a Parameter Group Number (PGN) or BAM.

As SPN values are broadcast on the bus, J1939 Agent identifies pre-configured parameters, extracts the data and publishes it to Lua Services Framework Properties for processing by a custom application or SkyWave's Analytics Agent. This device-level application is capable of processing SPN data in real-time at an interval of up to 1Hz.

How to Buy

Device-level applications are available by subscription. Subscription fees are applied on a monthly basis for each activated terminal.

To find out more or to connect with one of SkyWave's account managers, contact us at **sales@skywave.com**.

Why SkyWave?

SkyWave, an ORBCOMM Company, is a global provider of satellite, cellular and satellite-cellular devices and services for the Machine-to-Machine (M2M) market. SkyWave's products provide dependable communication, tracking, monitoring and remote management of fixed and mobile assets. Over the past 17 years, SkyWave has designed, manufactured and shipped more than 750,000 Inmarsat-based satellite terminals to customers globally in the transportation, maritime, oil and gas, utilities and government sectors.

Five Reasons to Choose SkyWave Device-Level Applications

1. ACCELERATE TIME TO MARKET
SkyWave applications can significantly reduce solution delivery timeframes, allowing partners to reach more customers and generate new revenues, faster.

2. REDUCE DEVELOPMENT COSTS
Save on upfront and recurring costs associated with programming, testing and supporting IDP terminals for high-value applications.

3. VALUABLE TOOLS AND UTILITIES
Supporting tools and utilities make it easier to integrate SkyWave applications into the end solution.

4. FREE SOFTWARE UPGRADES
Get access to new features and product enhancements at no additional cost.

5. FREE TECHNICAL SUPPORT
Let our team of experts work with you to successfully bring your solution to market at no additional cost.

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