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IoT gateway with four CAN interfaces

The CAN-based telematics control unit owa4X by Owasys (Spain) is an IoT gateway based on Linux. It enables controlling and monitoring of vehicles and industrial equipment.

The IoT gateway (Photo: Owasys)

The gateway has GNSS, Bluetooth Smart / WiFi. The product is powered by the 800-MHz ARM Cortex A8 processor. It features 512-MiB DDR as well as 1-GiB flash memory. The device provides up to four CAN interfaces running up to 1 Mbit/s. They support the bas frame format (11-bit CAN-IDs) and the extended frame format (29-bit CAN-IDs).

The gateway is available in a plastic housing, which optionally meets the protection class standard IP67. Key features such as CAN and Kline interfaces, programmable 9-axis sensor (accelerometer, gyroscope, and magnetometer), and features such as dead reckoning, 100-Mbit/s Ethernet, and selectable SIM card design – Micro SIM or eSIM are also provided. The box can be supplied via battery; a rechargeable Li-Ion 3,7-V battery allows autonomous operation.

The products of the owaX family are predestined for telematics applications like fleet management, car sharing, car vehicle location (AVL), track & trace, positioning and operating data acquisition of moving objects. The unit is particularly suitable for use in construction and agricultural machinery, dangerous goods, conveying and industrial equipment, compressors and more.

The company is part of the Embedded World 2017.

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