

Unified Code Base 8.0 released

Automotive Grade Linux (AGL) has launched the UCB 8.0 open-source software. It supports CAN and J1939.

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The AGL open source project develops a shared software platform for in-vehicle technology (Source: AGL)

AGL has released the Unified Code Base (UCB) 8.0 platform. Developed through a joint effort by AGL member companies, the UCB is an open-source software platform that can serve as the de-facto industry standard for infotainment, telematics, and instrument cluster applications. It is nicknamed "Happy Halibut" and includes an operating system, a middleware, and an application framework. The updated platform supports now CAN communication. This communication is secured. Additionally, the software supports the J1939 application layer.

The open-source platform provides device profiles for telematics and instrument clusters. Other features are Web App Manager (WAM) enhancements, upgrade to Yocto version 2.6, and speech integration with the Alexa Voice Agent. Board support packages (BSP) are available for RCar3 processors (Renesas) and iMX6 (NXP). Raspberry Pi 4 is not yet supported completely. Patch release updates for graphical support are upcoming.

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