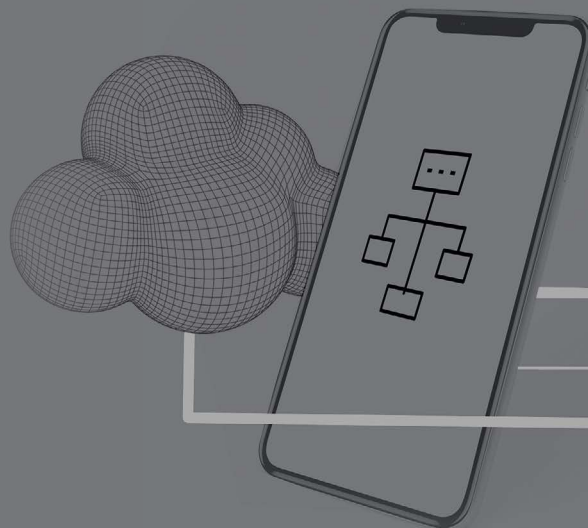# DQuid

Product outlook

DQuid is **RE:LAB**'s solution for enabling its customers to develop connected products. The key idea behind **DQuid** is setting data free from closed local electronics and networks and make them easy to handle for developers of proprietary or third party applications. **DQuid** is a toolbox that can be customized for each OEM's specific requirements.

Data Sheet

GINO is a connectivity device designed by **RE:LAB**, which incorporates a specific version of **DQuid** Firmware and relates to **GINO SDK**. It enables connectivity can be integrated into vehicle's network through a standard OBD-II port. GPS module can be included as an optional feature.

GINO features include:

– N 2 CAN High Speed Transceiver

– **Vin** : 6 35V (nominal operating voltage : 12V

– No Key Signal

– Sleep / Wake up procedure, Event on CAN

– Minimum 256 MB external flash memory

– 128 KB RAM

– Certification Compliances (E Mark certification & RED)

– **Dimension** : 30 x 50 x 25 mm

Details description/Use case

DQuid Firmware stack can be integrated on an existing system equipped with connectivity capabilities (Wi-Fi, LTE / 4G). It draws data from on-board electronic and network and makes them available through wireless connection to its SDK counterpart for iOS and Android. **DQuid** SDK is integrated by app developers into their iOS or Android project. Developers' code can invoke data from the electronic system in the native language they're most familiar with.
Whenever connectivity hardware is not available, a specific device can be provided to support connectivity to on-vehicle networks.

Through **DQuid**, several OEMs have developed flexible solutions for supporting Infotainment and fleet monitoring exploiting a Bring-You-Own-Device (BYOD) approach.

RE:LAB is an Italian SME with 15 years of experience in Human Machine Interface and agriculture technologies. With its team of highly skilled employees, **RE:LAB** has developed an ISOBUS stacks now integrated by many OEMs worldwide. It has created highly appreciated advanced HMI for on-vehicle terminals prioritising usability. **RE:LAB** developed IoT applications for the agricultural, making possible to remotely control tractor's functions.