

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 BLE connectivity can be integrated into vehicle's network through a standard OBD-II port. GPS module can be included as an optional feature.

N 2 CAN High Speed Transceiver

Bluetooth Low Energy

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 (Bluetooth / BLE, 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 90 strong 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.