

# DB2605 CHARGE MANAGEMENT MODULE

Powerful MCU | Enhanced Security | V2G

## HPGP & MCU

- Qualcomm’s QCA7005 HPGP Chipset, ISO 15118-3 compliant
- Qualcomm’s latest 32bits 320MHz MCU with 4M Bytes RAM and 4M Bytes Flash

## Enhanced Security

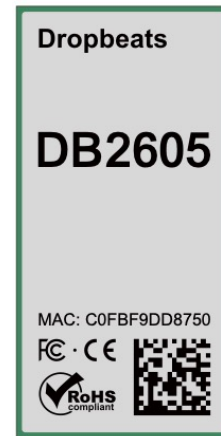
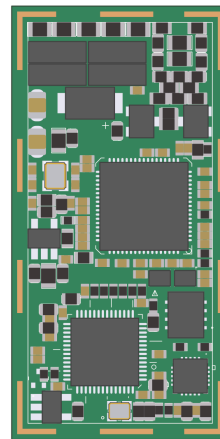
DB2605 provides a dedicated Hardware Security Module (HSM).

- Common Criteria EAL 4+ certified
- FIPS 140-2 certified
- Secured flash user memory up to 50k Bytes
- NIST ECC curves (up to 521 bits key length)
- supports V2G applications

## ISO15118-2/20

Complete firmware features.

- Basic charging (IEC 61851)
- High-level AC charging with EIM & PnC (ISO 15118-2/20)
- Bi-directional AC charging with Security (ISO 15118-20)



## DB2605

DB2605 adds the core ISO 15118-2/20 functionalities to AC chargers. It provides high-level communication functionalities for AC chargers to interact with CCS compliant Electrical Vehicles.

The Module is equipped with a Qualcomm QCA7005 and a Qualcomm powerful, low-power 32bits MCU running a Real time Operating System with a complete software stack supports ISO 15118-2/20 and IEC 61851.

### Applications

ISO15118-2/20 compliant AC Charger hardware architecture with DB2605 charge management module is shown below.

