

# Charge Module E

## Introduction

Charge Module E adds DIN 70121 and ISO 15118 functionality to the EVSE side. It provides all core functionalities to enable DC Chargers the high-level communication with a CCS enabled EV.

The Module is equipped with a QCA7005 and a powerful Cortex M4 running a state-of-the-art Real-time Operating System with our complete SW stack included. It will provide your DC Charger with all the necessary parameters from the EV.

## Key Features

- Dual mode ISO 15118/DIN 70121 SW-Stack
- IEC 61851 and SAE J1772
- Plug and Charge
- Bidirectional charging
- TLS 1.2 and TLS 1.3
- UDS support for diagnostics and configuration

## Application

Generic Charge Communication Controller for Charging Stations and Wall boxes

## Operational

Parameter	Value
Weight	< 10 g
Temperature range	-40 °C - 85 °C
RoHS / REACH	Compliant
Power supply	3.3 V
Power consumption	max. 350 mA
Outline dimension	50.8 x 30.48 mm



## Interfaces

- CAN
- UART
- SPI (not implemented yet)