

# Charge Control M

## Introduction

Charge Control M is a DIN 70121 / ISO 15118 compliant communication controller for DC electric vehicle charging stations (EVSE side). It includes PWM generation on Control Pilot line, and also a HomePlug Green PHY integration and thus Powerline communication via Control Pilot for High-Level charging communication. The Charge Control M firmware is powered by an embedded Linux operating system. Customers can use an MQTT API or a CAN interface to interact with the firmware. The open system offers customers the possibility to extend the Charge Control M firmware and even run customer's own software component in parallel to the charging stack.

## Key Features

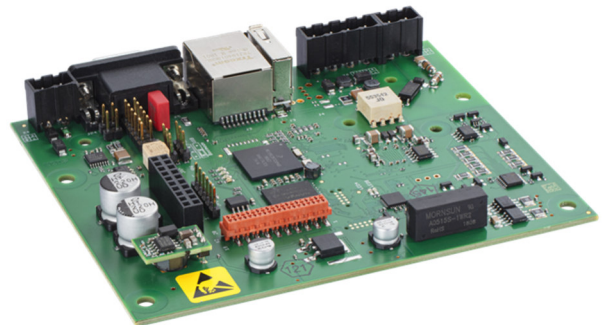
- Dual mode ISO 15118/ DIN 70121 SW Stack (DC) IEC61851 and ISO 15118 (AC)
- Ready for Plug and Charge
- CAN and MQTT Interface
- Supported Standards: ISO 15118, DIN 70121, IEC61851, Ethernet (IEEE 802.3), EIA-485 (RS-485), ARP, ICMP, IGMPv2, IPv4, IPv6, DHCPv4, TCP, TLS 1.2, UDP, HTTP

## Application

Charge controller in electric vehicle supply equipment (EVSE) and EVSE simulator for testing purposes

## Operational

| Parameter         | Value   |
|-------------------|---|
| Temperature range | -40 °C - +85 °C   |
| RoHS / REACH      | Compliant   |
| Power supply      | 12 V  |
| Power consumption | max. 4 W (2.6 W in idle mode) - plus power for attached USB devices |
| Outline dimension | 100 x 120 x 20 mm   |
| Weight            | 92 g  |
| Air humidity      | 95% rel. humidity (non condensing)                                  |



## Interfaces

- Ethernet
- CAN/RS-232
- USB
- Daughter Board Connector