

# Bharat

# DC001 Master Controller

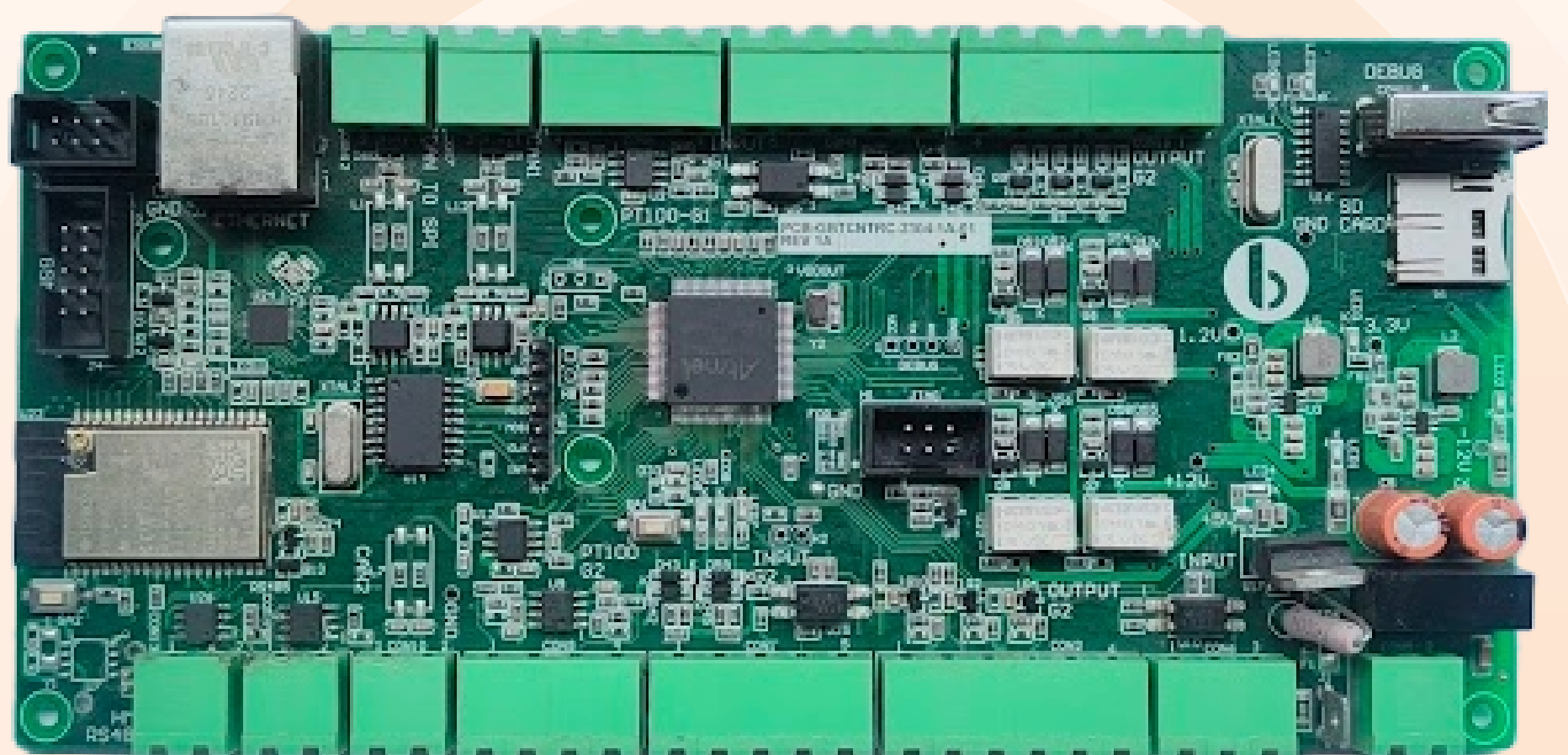
## Brochure

## Introduction

Bacancy's Bharat DC001 Master Controller provides a communication medium between Electric Vehicles (EV) and Electric Vehicle Supply Equipment (EVSE) for DC charging station. It works as a Supply Equipment Communication Controller (SECC). The controller manages all the charging processes based on BEVC-DC001 and provides the physical requirements for fast DC chargers.

## Key Features

- Support Dual GUN, Charging Plug Meet GB/T 20234.3-2015 standards
- Modularity, self-diagnostic features, fault codes, and easy serviceability in the field
- Interface to display charging data over Modbus
- Support OCPP1.6j and up gradable to OCPP2.0.1
- Support RFID for vehicle authentication
- Supports E-Locking System



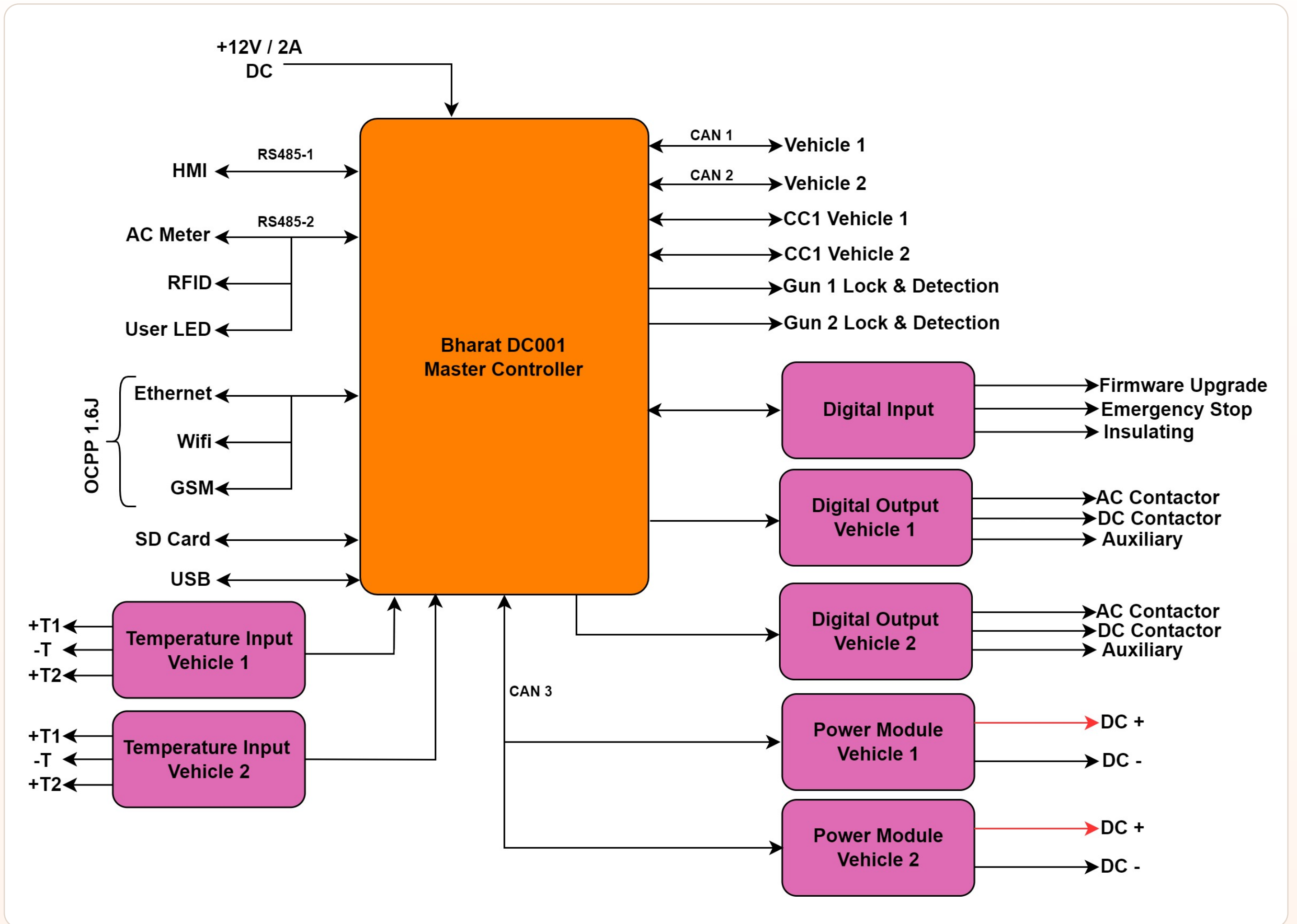
# Bharat

# DC001 Master Controller

## Brochure

## Key Technical Specifications

Parameters	Specifications
Input Supply	12V DC@2A
Type of Connector support	GB/T Single GUN   GB/T Dual GUN
Standard	BEVC-DC001
Charger and Vehicle Communication	CAN 2.0
HMI	RS-485 (Modbus RTU Slave)
Power Module Interface	CAN 2.0
Insulation Monitoring Device	I/O Monitoring
Power Measurement	RS-485 (Modbus RTU Master)
RFID	MF RC522, 13.52 MHZ
Network Connection	Ethernet 10/100   LTE ( 4G Fallback to 2G)   WiFi - 802.11 b/g/n (802.11n up to 150 Mbps)
OCPP	Support OCPP1.6J, Upgradable to OCPP 2.0.1
Digital Input	4 Nos. (12V Logic)
Digital Output	6 Nos. (Open Collector)
Temperature Input	4 x RTD
LED	Available using external LED Interface Board
FOTA	Remote Firmware Update
Storage	In-built SD Card up to 32 GB for Data Storage
Operating Temperature	-10°C ~ +70°C
Dimension	187mm x 89mm



**Block Diagram**