

# Release Notes 2.3

ABL.R&D.Software.SBC

Exported on 06/23/2025

## Table of Contents

<b>1 Document Description .....</b>	<b>3</b>
<b>2 Variants.....</b>	<b>5</b>
2.1 Hardware .....	5
2.2 Software .....	5
<b>3 Releases.....</b>	<b>6</b>
3.1 Version 2.3 .....	6

# 1 Document Description

<b>Scope</b>	<p>This document describes the releases of the new generation of the Charge Point Software delivered with the ABL Single Board Computer SBC. This software implements a smart controller for the ABL charging stations consisting of wall-boxes and charging poles. The following sections give an overview of the integrations and releases of the software.</p> <p>Product names, brands, and other trademarks mentioned in this document are the property of their respective trademark holders.</p>
<b>Purpose</b>	
<b>References</b>	

## Document information

<b>ID</b>	
<b>Document Name</b>	Release Notes 2.3
<b>Owner</b>	Iris Wintergerst
<b>Document Version</b>	1.1
<b>Date</b>	01.04.2025
<b>Distribution</b>	Public
<b>Jira reference &amp; status</b>	

## Document change history

Date	Document Version	Author	Description of change
13.03.2025	1.0	Iris Wintergerst	inital version for Software 2.3
01.04.2025	1.1	Iris Wintergerst	added information about content of 2.3 software

## 2 Variants

### 2.1 Hardware

The current version 2.3 SBC Charge Point Software is compatible with the boxes of the product series eM4. The following SBCs are supported:

- SBC4

### 2.2 Software

Each version of the SBC Charge Point Software is identified by a release label. This label is represented by the running software as well as in the update file names, as follows:

Release label: <major>.<minor>[p<patch-level>]

- Major: The major software version. Only stepped when minor numbering is maxed out or when major feature sets have been added to the software.
- Minor: The minor software version. Stepped on each new release.
- Patch level: A sub-version used for fixes to the current release. The first patch/bug-fix for a release is numbered starting at one.

Example: 2.3p1

In update file names the release label is embedded as follows:

File Name: <update-type>\_<release-label>.yar

- Update type:
  - “update”: A full software update.
  - “incremental”: An incremental update, may rely on some base software version that has to be installed on the target, already. If this pre-requisite is not met, the updater routine rejects the incremental update.

Example: update\_2.3.yar

## 3 Releases

The feature set of the version 2.3 includes the complete scope of the features available with the version 2.2 and introduces new features listed below.

For information on the complete feature set refer to the integration manual.

The version of the relevant software for Eichrecht is independent from the SBC Charge Point software. Therefore, Eichrecht software has a separate release notes document.

An update of the SBC Charge Point software will not influence the version of the Eichrecht software version.

### 3.1 Version 2.3

Date: 18.06.2025

This software contains:

- SBC software version: 2.3
- ESP firmware version: 1.15.0

This software is compatible with:

- App version: 1.\*.230
- Eichrecht version: 1.5

Changes:

- Support for new Meter Firmware (ASD-8191)
- Support of Sirius EMS (ASD-7889)
- Rework the SBC-BaseBoard communication process (ASD-7745)
- Improve Error Handling (ASD-7547)
- Support Replacement of SBC as Part Replacement (ASD-7310)
- Support for upcoming Eichrecht Software Update 1.7

Improvements and Resolves Issues:

- Improve Network Stability (ASD-8333)
- Harden Software against Cyber Security Vulnerabilities (ASD-7928)
- Reboarding Improvements (ASD-7162)
- Improve diagnostics for the system (ASD-6689)
- Optimize the startup sequence of the controller (ASD-6685)
- Improve System Startup (ASD-6563 / ASD-6685)
- Improve OCPP 1.6 Compatibility With Backends (ASD-2195)

Known Issues:

- In certain cases a software update from 2.1p1 / 2.1p2 to software 2.3 needs to be triggered via Configuration App or Web-Admin.
- Stopping a charging session with a parent RFID card is not possible.