# GoodLinker

# Quick Installation Guide

## BCS-M100 Edge Computer

### Edition 1.0, November 2019

## Overview

The BCS-M100 rail mountable, fanless, ARM embedded computer uses Broadcom 2711 Quad-core processor, feature the most reliable I/O design to maximize connectivity, meeting requirements of different scenarios.

The BCS-M100 supports the GoodLinker LASSIE IIoT Platform for industrial equipment status monitoring, HMI monitoring, environment monitoring, and alerts. Close monitoring of the industrial equipment status makes the production line easier to recover from errors and provides the SCADA dashboard display on GoodLinker official website and mobile APP.

The BCS-M100 is an AWS qualified device for IoT. It can upgrade old types of machines to smart devices by data acquisition, data computing, and has been tested to work with AWS IoT Core services for Industrial IoT applications.
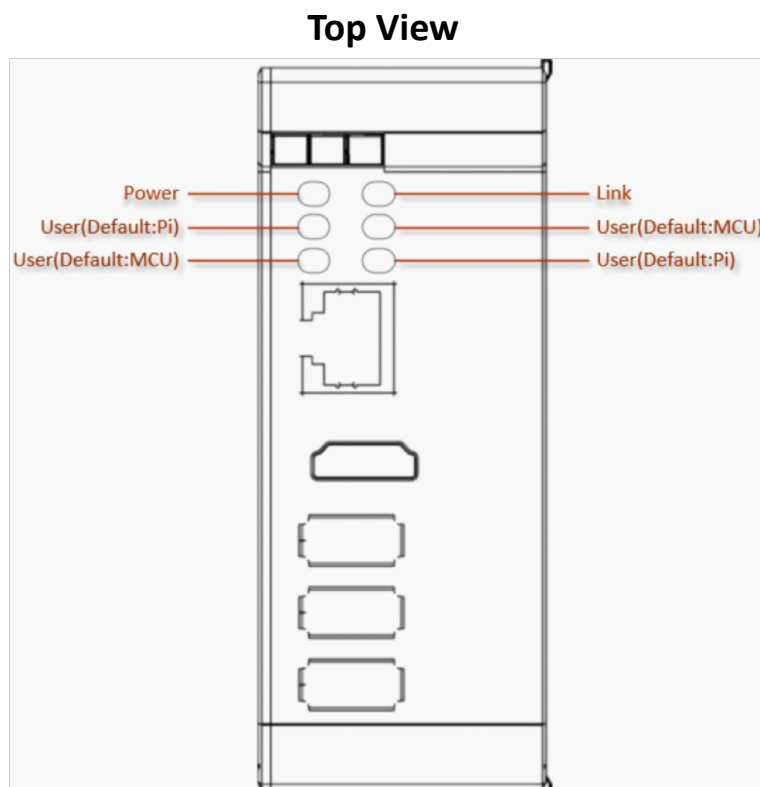
## Package Checklist

Before installing the BCS-M100, verify that the package contains the following items:

• BCS-M100 Edge Computer

• iO-Grid Collector Rail Kit

• Quick Installation Guide

• Documentation

Please notify your sales representative if any of the above items are missing or damaged.
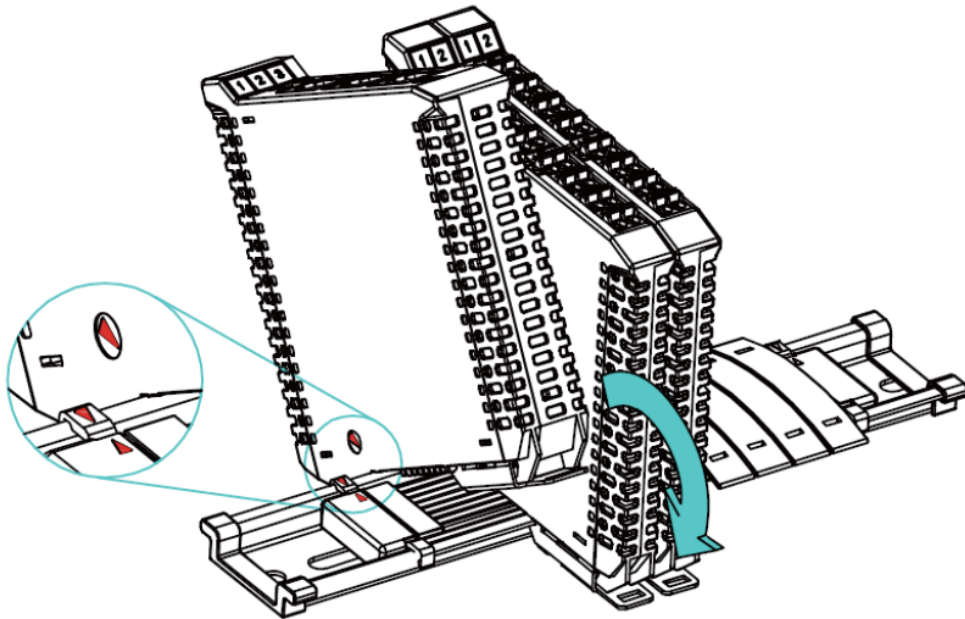
## BCS-M100 Panel Layout

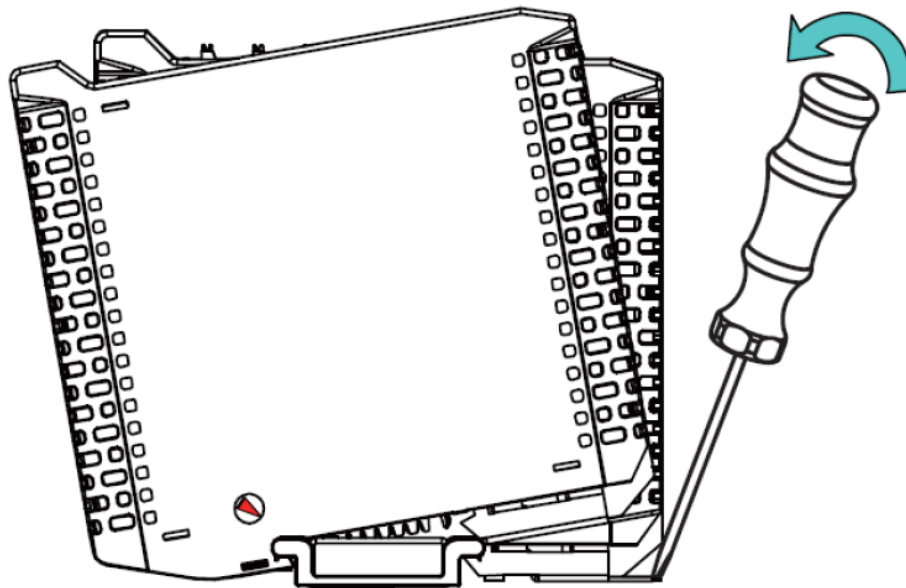The following figures show the panel layouts of the BCS-M100 Series:

### Top View

# Installation and Removal

## Installation:

NOTE: Please confirm whether the track and the module's red arrow are in the same direction during installation.
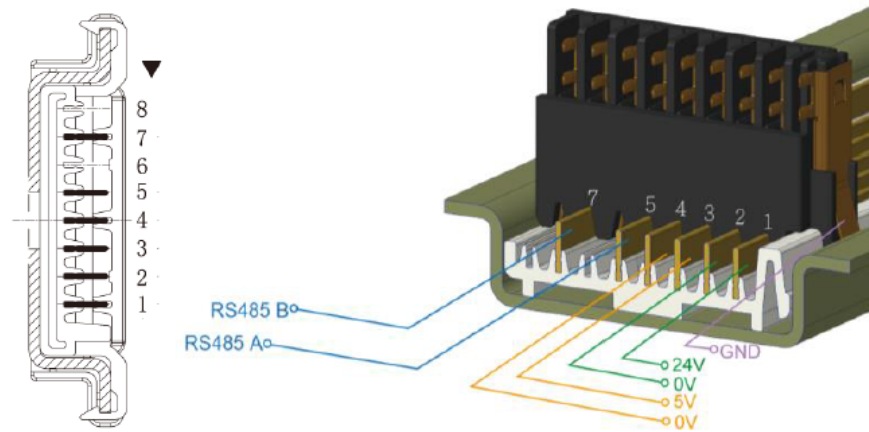
## Removal:

# iO-Grid Collector Rail:



Tracks 1 to 4 rails for power supply(24V、5V)

Tracks 5 to 7 rails for communication



# iO-Grid Collector Rail Definition:

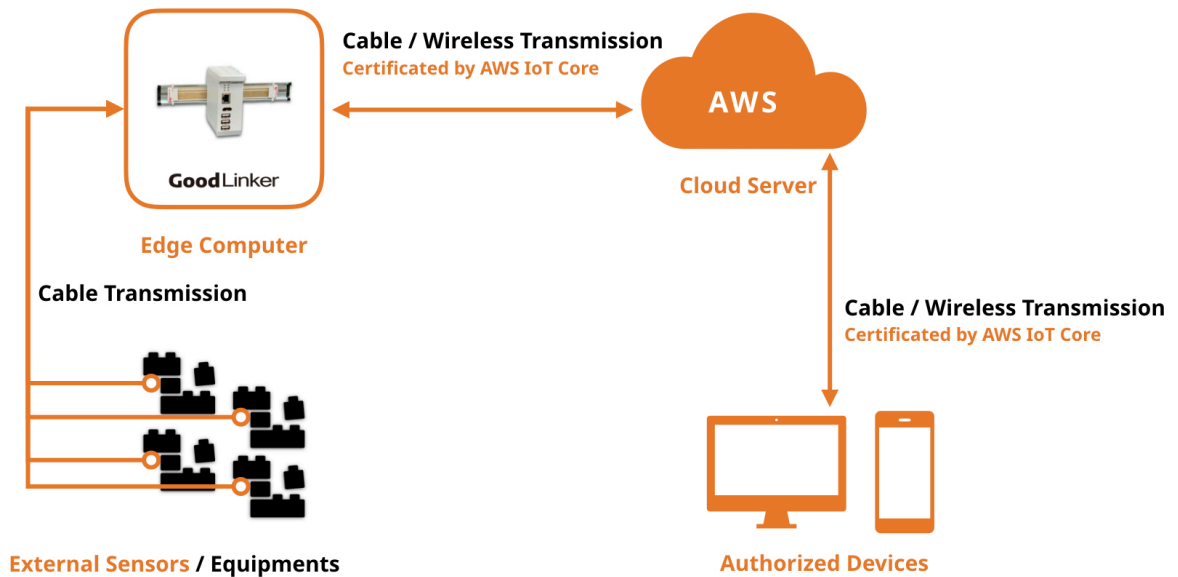| | | | |
|---|---|---|---|
| 8 | — | 4 | 0V |
| 7 | RS485B | 3 | 5V |
| 6 | — | 2 | 0V |
| 5 | RS485A | 1 | 24V |

# The GoodLinker LASSIE IIoT Platform

The BCS-M100 IPC built-in with the GoodLinker LASSIE edge computing program. It provides an IIoT platform with IoT application services, able to upgrade any traditional equipment to smart devices by data acquisition, data computing, and preliminary analytical capability features. Users could have a SCADA dashboard real-time monitoring their production line on the website dashboard and on our mobile APP available on iOS and Android platforms.

Web SCADA: https://www.goodlinker.io/login
iOS APP Download: https://apps.apple.com/tw/app/goodlinker/id1476501530?l=en
Android APP Download: https://play.google.com/store/apps/details?id=com.goodlinker.mobile



**LASSIE System Schematic**