
M1-B1-USB-AST User Guide

Legal

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Mailing Address

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Support

Users of Signetik products may receive assistance through the following channels:

- Symmetry Electronics - 1-866-506-8829
- Escalated to Signetik Technical Support
- Email: support@signetik.com

Customers should contact their distributor for support.

Warranty

Warranty information is available at www.signetik.com/legal

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Label information

Physical Label

Model Number: CTR-02

IMEI: 352656106378246

EUI: 0016c001ff186a4c

FCC ID: 2AOSNM1B1CSTM

Contains FCC ID: 2ANPO00NRF9160

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Label examples

An example of physical label is provided in a separate file.

Product Summary

Product Brief

M1-B1-USB-AST BLE to Cellular gateway is designed for intelligent IoT applications with the capability of interfacing to BLE devices and relaying these devices' status to the Internet via the LTE-M modem. The gateway supports various IoT protocols such as HTTP REST, CoAP/CBOR, MQTT, TLS, FOTA, and more.

Product Variants

Product Name	Description
M1-B1-USB-AST	Custom BLE software for Astute on the M1-B1-USB-CSTM
M1-B1-USB-CSTM	Standard BLE software
CTR-02	Customer facing, product model number

Package Contents

- 1 – CTR-02
- 1 – USB micro power supply
- 1 – Marketing materials

Product Specifications**Mechanical**

Safety Information

This device can be used in fixed installations. Fixed installations are when devices is located on a physically immobile structure such as a table or desk.

In order to comply with FCC RF Exposure requirements, this device must be installed such that a minimum separation distance of 20 cm is maintained between the antennas and all persons during normal operation.

Recommended from other RF device manufactures should be followed when this product is installed in the vicinity of other RF devices.

Handling Precautions

Although the device is designed to protect against anti-static discharge from handling, users should follow general anti-static precautions when handling the device.

Product Setup

1. Connect the USB power cable to the back of the gateway
2. Plug USB power cable into the wall outlet
3. Power on device using rear power switch.

Regulatory and Environmental Information

Information to the user

This equipment has been tested and found to comply with the rules for white space devices, pursuant to part 15 of the FCC rules. These rules are designed to provide reasonable protection against harmful interference. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- (1) Increase the separation between the equipment and receiver.
- (2) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- (3) Consult the manufacturer, dealer, or an experienced radio technician for help.

FCC Declaration of Conformity

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The user is advised that any equipment changes or modifications not expressly approved by the party responsible for compliance could void compliance with the FCC regulations and, therefore, the user's authorization to operate the equipment.