BT+BLE Bridge
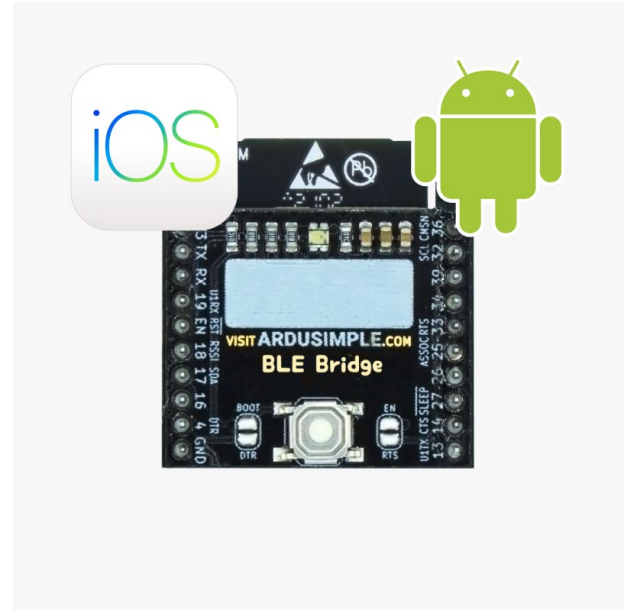
Includes:
- 1 BT+BLE Bridge

More info about the product!

BT+BLE Bridge SKU is: AS-XBEE-BLE-INT-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

This document was last modified on 2024/07/11
Modifications reserved - Data subject to change without notice
© All rights reserved. ArduSimple, 2025

www.ardusimple.com
More information: info@ardusimple.com
Page 1 of 6

Description

With Ardusimple BT+BLE Bridge module, you will be able to connect an RTK system with your iOS or Android device via classic Bluetooth (BT) or Bluetooth low energy (BLE) and use it with your preferred app.

The plugin acts like a bridge/tunnel sending any incoming data from your GNSS receiver towards the listening device and sending all incoming data from your BT/BLE device to your GNSS receiver.

It does not contain any other logic and is ideal for Androis and iOS developers or any other platform with BT or BLE.

Check this tutorial to learn how to update its firmware.

Checkout the BT+BLE Bridge hookup guide to learn everything about this product.

Good to know:
– Configuration is at 115'200bps
– Compatible with simpleRTK3B, simpleRTK2B and simpleRTK2Blite
– Compatible with BLE (Bluetooth Low Energy) and BT 2.0 (Bluetooth Classic)
– It's based on ESP32, so you can also write you own software on it
– It is the same hardware as the WiFi NTRIP Master so you can also use it for that purpose (by changing the firmware)

This document was last modified on 2024/07/11
Modifications reserved - Data subject to change without notice
© All rights reserved. ArduSimple, 2025

www.ardusimple.com
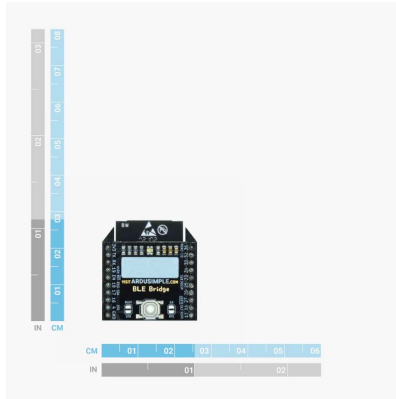More information: info@ardusimple.com
Page 2 of 6

Specifications

Interfaces:

- UART
- RS232 (requires accessory)

Bluetooth hardware features
- Bluetooth V2.0 using SPP (Serial Port Profile)
- Bluetooth V4.2 Low Energy (LE) using GATT (General Attribute Profile)
- Voltage supply (VCC): 3.0 - 3.6V
- UART voltage: same as VCC
- Frequency: 2.4 GHz (2402 - 2480 MHz)
- Max output power: 10dBm

This document was last modified on 2024/07/11
Modifications reserved - Data subject to change without notice
© All rights reserved. ArduSimple, 2025

www.ardusimple.com
More information: info@ardusimple.com
Page 3 of 6

Image Gallery

This document was last modified on 2024/07/11
Modifications reserved - Data subject to change without notice
© All rights reserved. ArduSimple, 2025

www.ardusimple.com
More information: info@ardusimple.com
Page 4 of 6

Pinout

TOP VIEW

Description	Name	#
2.7-3.6V with up to 1A peak	VCC	1
Data out VCC level	TX	2
Data in VCC level	RX	3
		4
Leave open for always ON	RESET	5
		6
		7
		8
Feature disabled	RTS	9
Must connect to GND	GND	10

#	Name	Description
20		
19		
18		
17		
16		
15		
14		
13		
12	CTS	Feature disabled
11	GND	Must connect to GND

This document was last modified on 2024/07/11
Modifications reserved - Data subject to change without notice
© All rights reserved. ArduSimple, 2025

www.ardusimple.com
More information: info@ardusimple.com
Page 5 of 6

Documentation

User Guide	https://staging.ardusimple.com/btble-bridge-hookup-guide/
Download CAD model	https://staging.ardusimple.com/wp-content/uploads/3D_CAD/AS-XBEE-WIFI-2.4-INT-04-R00.STEP

BT+BLE Bridge includes free basic technical support. Contact info@ardusimple.com for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.

This document was last modified on 2024/07/11
Modifications reserved - Data subject to change without notice
© All rights reserved. ArduSimple, 2025

www.ardusimple.com
More information: info@ardusimple.com
Page 6 of 6