

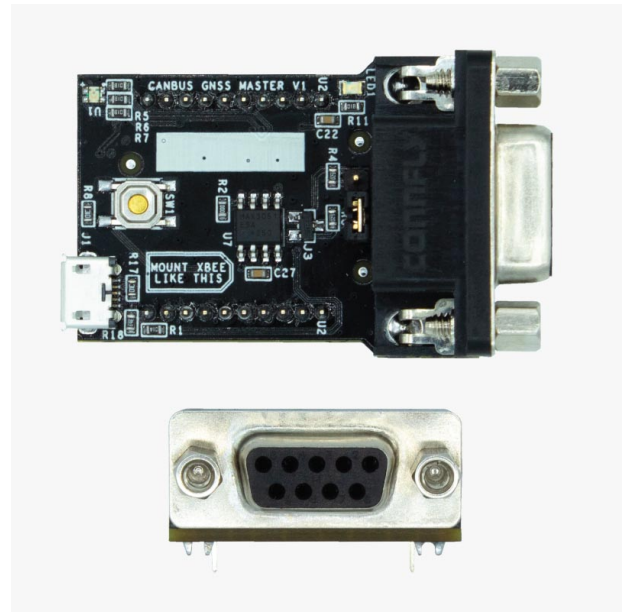
# CANBus GNSS Master

Includes:

- CANBus GNSS Master
- USB-C Carrier Board for XBee Plugins
- USB to USB-C cable
- USB to MicroUSB cable



More info about the product!



CANBus GNSS Master SKU is: AS-XBEE-CAN-DB9-00

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

## Description

With ArduSimple CANBus GNSS Master, you will be able to add CANBus functionality to any device with XBee socket or serial port: RTK receiver, sensor, Arduino, or any other embedded platform.

Without any programming involved, and simply using a configuration tool, CANBus GNSS Master can be used as:

- Push GNSS data into the CANBus
- Read data from the CANBus

For example, it could be used as a NMEA0183 to NMEA2000 converter. Contact us with your specific use case and we will be happy to guide you.

Good to know:

- Compatible with NMEA2000 and SAE J1939
- Default configuration is at 115'200bps
- Compatible with all ArduSimple products with XBee socket

## Specifications

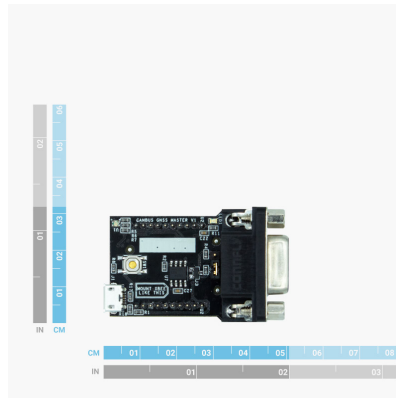
### Interfaces:

- UART
- RS232 ([requires accessory](#))

### Hardware features

- CAN 2.0A and B
- Bitrate up to 1 Mbit/s
- Support for standard 11-bit and extended 29-bit frame identifiers
- Voltage supply (VCC): 3.0 - 3.6V
- Power consumption: 150mA typ
- UART voltage: same as VCC

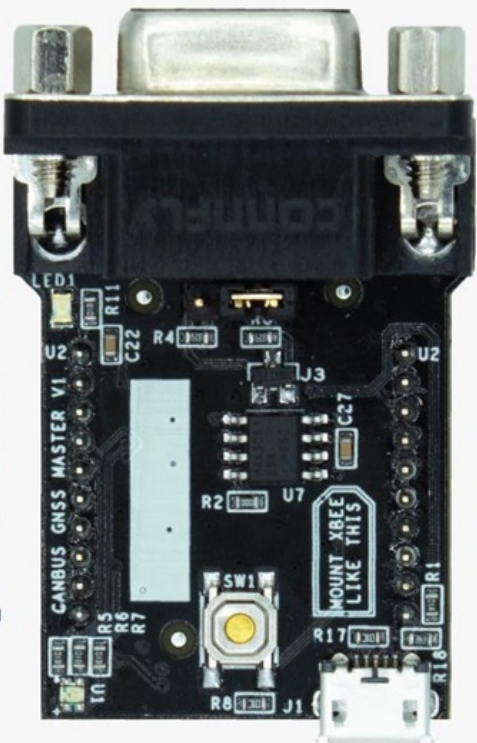
## Image Gallery



## Pinout

| Description                   | Name       | #  |
|-------------------------------|------------|----|
| 2.7-3.6V with up to 0.5A peak | <b>VCC</b> | 1  |
| Data out VCC level            | TX         | 2  |
| Data in VCC level             | RX         | 3  |
|                               |            | 4  |
| Leave open for always ON      | RESET      | 5  |
|                               |            | 6  |
|                               |            | 7  |
|                               |            | 8  |
|                               |            | 9  |
| Must connect to GND           | <b>GND</b> | 10 |

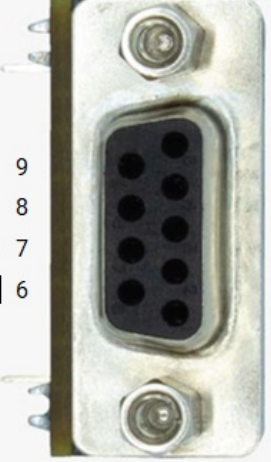
**TOP VIEW**



| #  | Name       | Description         |
|----|------------|---------------------|
| 20 |            |                     |
| 19 |            |                     |
| 18 |            |                     |
| 17 |            |                     |
| 16 |            |                     |
| 15 |            |                     |
| 14 |            |                     |
| 13 |            |                     |
| 12 |            |                     |
| 11 | <b>GND</b> | Must connect to GND |

|                                    |            |   |
|------------------------------------|------------|---|
|                                    |            | 9 |
|                                    |            | 8 |
| Can High                           | CANH       | 7 |
| One GND must connect to CAN ground | <b>GND</b> | 6 |

**FRONT VIEW**



|   |                                               |
|---|-----------------------------------------------|
| 5 |                                               |
| 4 |                                               |
| 3 | <b>GND</b> One GND must connect to CAN ground |
| 2 | CANL Can Low                                  |
| 1 |                                               |

CANBus GNSS Master includes free basic technical support. Contact [info@ardusimple.com](mailto: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.