

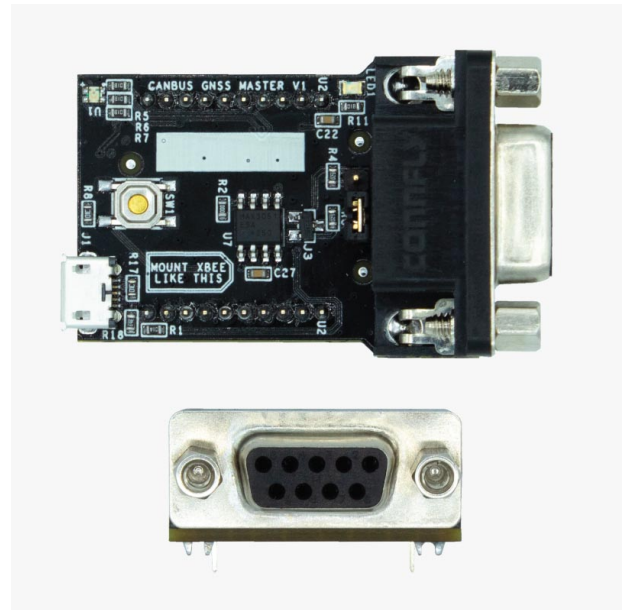
CANBus GNSS Master

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 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

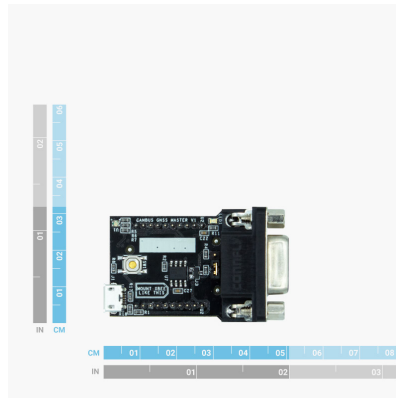
Interfaces:

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

Hardware features

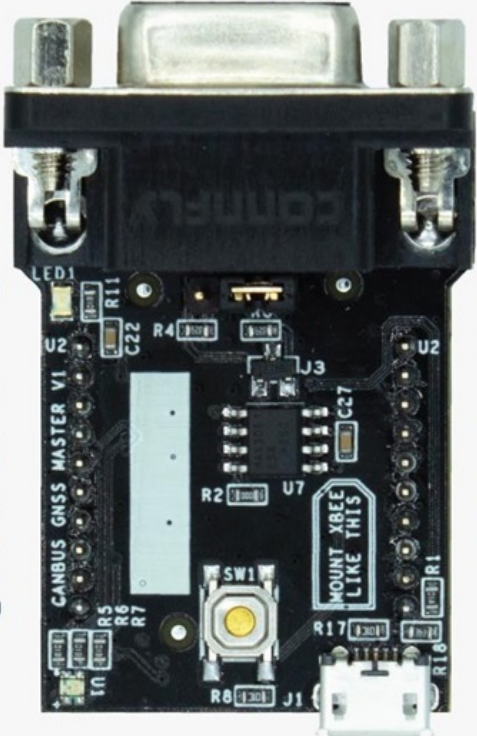
- CAN 2.0A and B
- Bitrate up to 1 Mbit/s
- Support for standard 11-bit and extended 29-bit frame identifiers
- Voltage supply (VCC): 3.0 - 3.6V
- Power consumption: 150mA typ
- UART voltage: same as VCC

Image Gallery



Pinout

TOP VIEW

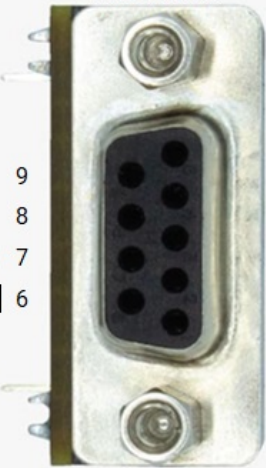


LED1
U2
R11
C22
R4
J3
C27
U7
R2
SW1
R17
R18
R16
R15
R14
R13
R12
R11
R10
R9
R8
R7
R6
R5
R4
R3
R2
R1

Description	Name	#
2.7-3.6V with up to 0.5A 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
		9
Must connect to GND	GND	10

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

FRONT VIEW



9
8
7
6

Can High	CANH	7
One GND must connect to CAN ground	GND	6

5		
4		
3	GND	One GND must connect to CAN ground
2	CANL	Can Low
1		

Documentation

Download CAD model <https://www.ardusimple.com/wp-content/uploads/2024/10/AS-XBEE-CAN-DB9-00-R00.step>

CANBus GNSS Master 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.

Mouser Electronics

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