

PRODUCT DATASHEET



RS-485 Transceiver Breakout

333068

Connect your microcontroller to RS-485 for long-distance, high-speed communication up to 1200m in noisy environments.

Full product documentation, files and tutorials: solde.red/333068

CORE ATTRIBUTES

SKU **333068**

WEIGHT **9 g**

BARCODE **732388670604**

DESCRIPTION

This module allows you to connect a Dasduino, or similar microcontroller, to a **RS-485 communication protocol**. The RS-485 is used to send data over long distances (up to 1200m) at **20Mbps** and in high-noise environments, such as industrial. The module works on 5V and requires between 120µA and 500µA of current.

TECHNICAL DETAILS

- **Voltage:** 5V
- **Based on:** SN65176BDR
- **Dimensions:** 38 × 22 mm / 1.5 × 0.9 inch

SPECIFICATIONS

INTERFACE	Uart
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	Yes
IC PART NUMBER	SN65176B
SUPPLY VOLTAGE MIN V	5
SUPPLY VOLTAGE MAX V	5

LINKS

Open Source Hardware Files	https://github.com/SolderedElectronics/RS-485-Transceiver-breakout-hardware-design
Full Documentation	https://docs.soldered.com/rs-485/overview/
Arduino: Get Started	https://docs.soldered.com/rs-485/arduino/getting-started/
Hardware Details	https://docs.soldered.com/rs-485/hardware/
Arduino Library Documentation	https://docs.soldered.com/rs-485/arduino/examples/
Pinout	https://cms.soldered.com/products/333068/media/333068_pinout-png_f7044a.svg

GALLERY

