

DC Motor Driver HAT(V1.0) for Raspberry Pi

DFR0592

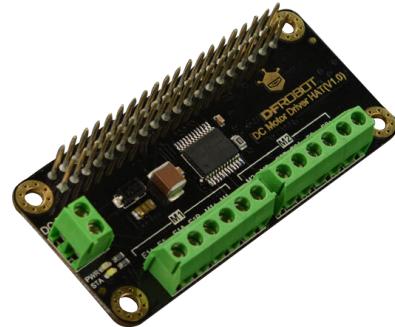
Product Overview

6/16/2022

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Description

DFRobot DC Motor Driver HAT(V1.0) for Raspberry Pi is a Raspberry Pi DC motor driver board with an onboard encoder interface. This encoder can drive a 2-way DC motor and DC motor with an encoder. The DC motor driver uses the STM32 microprocessor to analyze the command sent by the upper host and then convert it into a motor drive signal after calculation. This DFR0592 DC motor driver HAT (V1.0) comes with a high-performance TB6612FNG motor driver chip that is integrated into the module.



The DC motor driver HAT communicates with Raspberry via I²C that can configure and drive motors easily. This motor driver supports 7V to 12V wide input voltage. This driver can be used together with Raspberry Pi to build a smart DIY car, balance car, DIY tank, and mechanical fish.

Features

- Motor drive
- I²C communication
- Raspberry Pi shield



Specifications

- 7V to 12V operating voltage
- 5V logical voltage
- TB6612FNG motor driver chip
- I²C communication interface
- 0 x10 default I2C address
- 1.2A continuous drive current
- 2A peak current
- Supports 2-way DC motor/DC motor with encoder
- 65mm x 30mm dimensions

Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dc-motor-driver-hat/>