

DEV-15316 Servo pHAT for Raspberry Pi

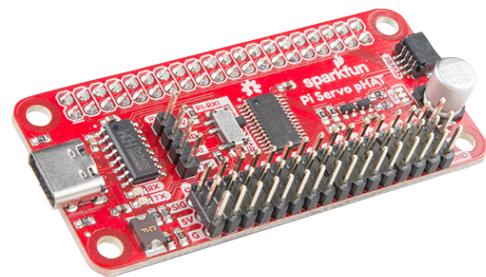
Product Overview

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Description

SparkFun DEV-15316 Servo pHAT for Raspberry Pi is a development tool that enables a Raspberry Pi to control up to 16 servo motors via an I²C connection. The Servo pHAT includes a serial terminal connection, which allows the functioning of Raspberry Pi without having to hook it up to a monitor and keyboard. This DEV-15316 servo pHAT features 16 PWM channels, 4-pin RVR header, 40-pin GPIO header, USB-C connector, and Qwiic connector. The pHAT is designed with an updated logic level conversion circuitry and power protection circuits. The tool evaluates NXP PCA9685 LED display drivers. This tool also uses its I²C capabilities, the pulse width modulation HAT saves the Raspberry Pi GPIO pins, allowing them to be saved for other purposes.



Features

- Evaluates NXP PCA9685 LED Display Drivers
- 16x pulse width modulation channels, controllable over I²C
- Qwiic connector
- 4-pin RVR header for connection to Sphero RVR
- USB-C connector
- 40-pin GPIO header for connection to Raspberry Pi
- CH340C USB serial SOIC16
- Updated logic level conversion circuitry
- Power protection circuits.

Mouser Part Number

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