Grove - 16-Channel PWM Driver (PCA9685)

SKU 108020102

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ADD TO CART
The Grove - Servo is based on NXP PCA9685, which is a 16-Channel, 12 bit I2C PWM driver. This board can drive up to 16 servos with the external power supply. You can control this board with Arduino easily via the I2C Grove interface. In addition, you can use this board as a LED controller.

Description

The Grove - 16-Channel PWM Driver is based on NXP PCA9685, which is a 16-Channel, 12 bit I2C PWM driver. This board can drive up to 16 servos with the external power supply. You can control this board with Arduino easily via the I2C Grove interface. In addition, you can use this board as a LED controller.
- 1 MHz Fast-mode Plus compatible I2C-bus
- 6 hardware address pins allow 62 PCA9685 devices to be connected to the same I2C-bus
- Low standby current
- Noise filter on SDA/SCL inputs

**Typical applications**

- Servos driver
- RGB or RGBA LED driver

**Pin Out**

![Pin Out Diagram]

**Technical Details**

Dimensions: 60mm x 40mm x 20mm

- **Weight**: G.W 20.40g
- **Battery**: Exclude

**Part List**

- Grove - 16-Channel PWM Driver (PCA9685)
  - 1
- Grove Cable
  - 1

**ECCN/HTS**

- ECCN: EAR99
- HSCODE: 8503001000

**Learn**

[Wiki] Grove - 16-Channel PWM Driver (PCA9685)

This is the wiki page for this product, which will show you how to use the product, as well as details about the software and hardware.

**Questions and Answers**

0 Are there any software drivers or wiki for this product?

dsrc12 on Nov 28, 2018

Hi there, we will release the wiki by today. Sorry for the inconvenience. thanks.

Seeed Techsupport Team on Nov 28, 2018 10:34 AM

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