



This pHAT adds the capability to control 16 Servos with perfect timing. It can also do PWM up to 1.6 KHz with 12 bit precision, all completely free-running.

For use with Raspberry Pi Model Zero, A+, B+, Pi 2 or Pi 3 (any Pi with 2x20 header). This bonnet will not fit on an original Raspberry Pi with 2x13 pin header.

The Adafruit 16-Channel 12-bit PWM/Servo Bonnet will drive up to 16 servos or PWM outputs over I2C with only 2 pins. The on-board PWM controller will drive all 16 channels simultaneously with no additional Raspberry Pi processing overhead. What's more, you can stack up to 62 of them to control up to 992 servos – all with the same 2 pins!

Works with any servo that can be powered by 5V and take 3.3V logic level signals. There's a solder jumper you can adjust if you'd like to change the output logic level to be 5V

Each order comes with a Servo Bonnet, a 2-pin terminal block, 2.1mm DC jack, and four 3x4 headers. You'll need to do some light through-hole soldering to attach the terminal block or jack, and headers onto the bonnet circuit board.

Please note! This kit does not come with Raspberry Pi, servos, or required 5V power supply. The terminal block included with your product may be blue or black.

Board Dimensions (w/o components): 65mm x 30.4mm x 8mm / 2.5" x 1.19" x 0.31"

Weight :8.5g / .29oz