

Feather 328P - Atmega328P 3.3V @ 8MHz

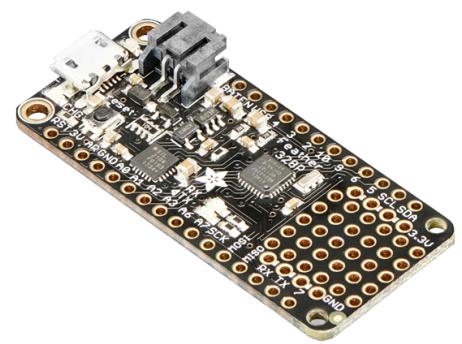
Product Overview

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Description

Adafruit Feather 328P - Atmega328P 3.3V @ 8MHz is a development board for the classic “Arduino” chip ATmega328P. The Feather 328P is thin, light, and sets a new standard for portable microcontroller cores. At the Feather 328P’s heart is an ATmega328P clocked at 8MHz and at 3.3V logic, a chip setup as same as the Pro Mini and similar to the Adafruit Metro 328. This chip has 32K of flash and 2K of RAM, and is paired with a SiLabs CP2104 to give it built-in USB-to-Serial program and debug capability.



Features

- 3.3V regulator with 500mA peak current output
- USB serial converter (CP2104) for USB boot loading and serial port debugging
- Tons of pins - 19 GPIO pins + 2 analog-in-only pins
- Hardware I²C, hardware SPI support - for UART devices, should use Software Serial
- ATmega328p @ 8MHz with 3.3V logic/power
- Measures 51mm x 23mm x 8mm without headers soldered in
- Light as a (large?) feather - 4.8 grams
- 6 x PWM pins
- 8 x analog inputs (two are shared with I²C)
- Built in 100mA li-poly charger with charging status indicator LED
- Pin #13 red LED for general purpose blinking
- Two LEDs for serial data Rx & Tx
- Power/enable pin
- 4 mounting holes
- Reset button

Mouser Part Number(s)

[485-3458](#)

To learn more, visit <https://www.mouser.com/new/adafruit/adafruit-feather-328p/>