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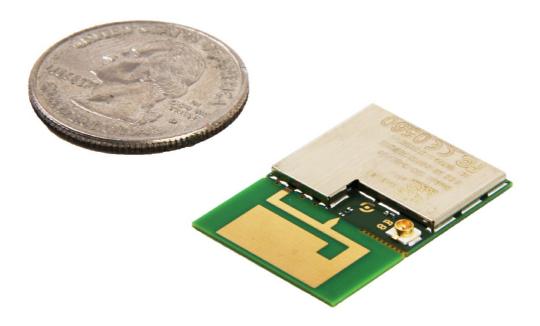
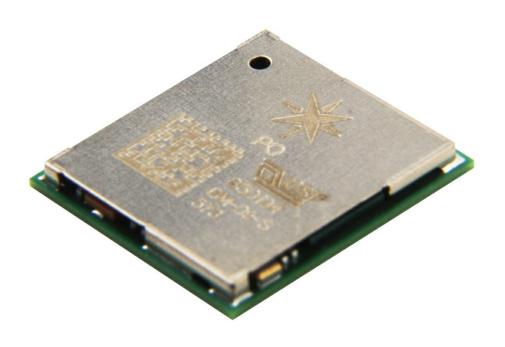Category   Fusion   Services   Community   What are you looking for?   Sign in

P1 - Particle Wi-Fi Module with Antenna

SKU 317060262   Read all reviews

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Description

Thinking of transitioning from your Photon-powered prototype into mass production? The P1 is your answer.

The P1 is Particle's tiny Wi-Fi module that contains both the Broadcom Wi-Fi chip and a reprogrammable STM32 32-bit ARM Cortex-M3 microcontroller. The P1 comes preloaded with Particle firmware libraries, just like our dev kits, and it's designed to simplify your transition from prototype to production. The P1 is the PØ's big brother; it's a bit bigger and a tad more expensive, but it includes some extra flash and an antenna and u.FL connector on board. Every P1 includes free cloud service.

Features

- Particle P1 Wi-Fi module

  -Broadcom BCM43362 Wi-Fi chip

  -802.11b/g/n Wi-Fi

  -STM32F205 120Mhz ARM Cortex M3

  -1MB flash, 128KB RAM

  -1MB external SPI flash

  -Integrated PCB antenna

  -Integrated u.FL connector for external antenna

  -Integrated RF switch
- 25 Mixed-signal GPIO and advanced peripherals
- Open source design
- Real-time operating system (FreeRTOS)
- Soft AP setup
- FCC, CE and IC certified

Technical Details

Dimensions 28mm x 20mm x 2mm
Weight   G.W 10g
Battery   Exclude

Part List

P1 Wi-Fi module 1

Wi-Fi specs

- Single band 2.4GHz IEEE 802.11b/g/n

- Supports wireless data rates of up to 65Mbit/s

- Ultra low power sleep, stand-by and stop modes

- Supports Open, WEP, WAPI, WPA and WPA2-PSK Wi-Fi security modes

Microcontroller Specs

- STM32F205 120Mhz ARM Cortex M3

- 1MB flash, 128KB RAM

ECCN/HTS

ECCN   Not Available
HSCODE 8517709000

Documents

Copy of 20151201 ERN P1 datasheet

Reviews

February 09,2018 by Anonymous User

November 22,2017 by Anonymous User

Questions and Answers

Have a question about this? Ask people who

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