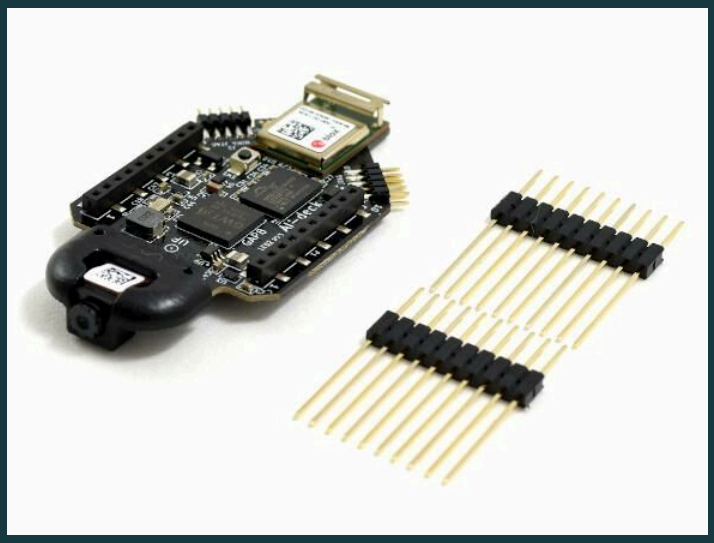
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INDUSTRIAL PRODUCT DATASHEET

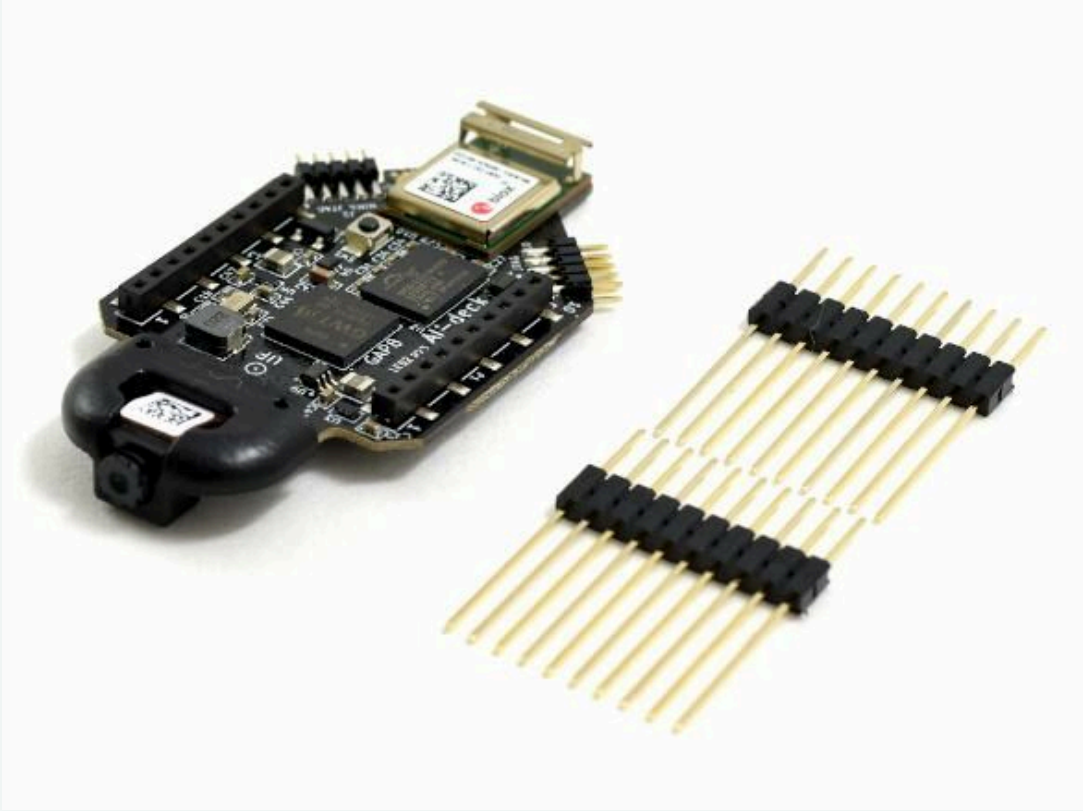
Crazyflie AI-deck V1.1 – with GAP8 RISC-V MCU & ESP32 Wi-Fi

[image] Crazyflie AI-deck 1.1 is built around the GAP8 RISC-V multi-core MCU for the edge purpose of artificial intelligence.In addition, there is a ULP grayscale camera and an ESP32 WiFi MCU.All of these have created a pretty good platfor...

SKU	UPDATED	PRICE
114992445	2026-11-11 06:46:55	$195.00(Excl. VAT)



Overview



[image] Crazyflie AI-deck 1.1 is built around the GAP8 RISC-V multi-core MCU for the edge purpose of artificial intelligence.In addition, there is a ULP grayscale camera and an ESP32 WiFi MCU.All of these have created a pretty good platform for the development of low-power artificial intelligence for drones.

Key Features

01 **Powerful Processing**

The AI-deck is equipped with GAP8 Iot processor, which provides plenty of processing power for running complex algorithms and machine learning models.

02 **WiFi connectivity： The ESP32 adds WiFi connectivity with the possibility to stream images as well as handling control.**

03 **Work Stand Alone**

work stand alone and is powered by a 3V-5V VCOM power supply of up to 300mA.

04 **Machine Learning Capabilities**

The AI-deck is equipped with a powerful microcontroller that can run machine learning algorithms on the Crazyflie 2.1.

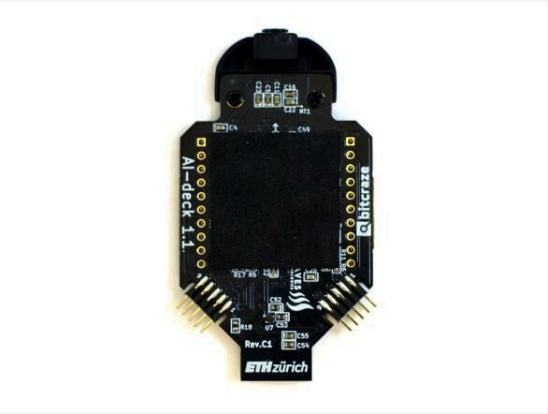
05 **Expansion Ports**

The AI-deck has several expansion ports that allow for the addition of other sensors or peripherals.

Product Gallery









Applications

- **Autonomous navigation: The AI deck can be used to enable the Crazyflie to navigate autonomously, allowing it to fly and perform tasks without any human intervention.**
- **Object detection and tracking: The AI deck can be used to enable Crazyflie to detect and track objects**

Resource Links

- https://www.seeedstudio.com/Crazyflie-AI-deck-V1-1-p-5112.html
- Datasheet
- Schematics
- AI-deck getting started
- JTAG programming
- GitHub code and documentation
- Related blog posts

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