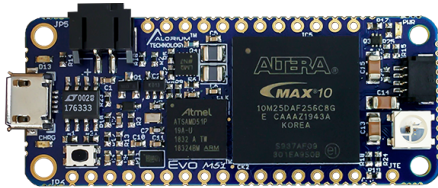


# Evo M51™

## Compute Module



### Introducing Evo M51

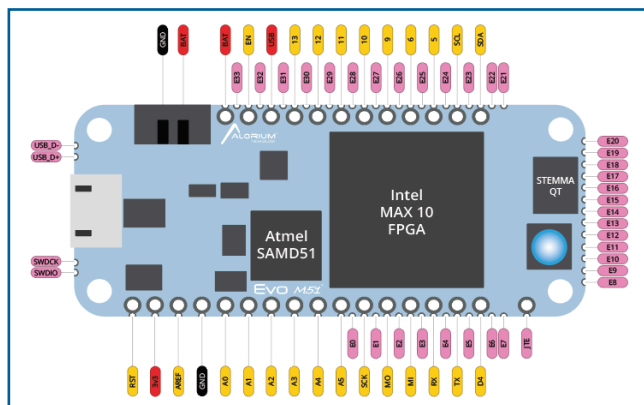
The Evo M51 module marks the evolution of Alorium Technology's FPGA enhanced microcontroller solutions.

By pairing a powerful Microchip (Atmel) 32-bit SAMD51 microcontroller with the low-cost, highly-featured Intel MAX 10 FPGA, Evo M51 provides the perfect blend of embedded compute performance and flexibility.


With the increasingly popular Adafruit Feather form factor and pinout plus an additional 34 castellated edge I/O, this board can be easily added into existing projects or directly integrated into new system designs as compute module component.

### Specifications

- Intel MAX 10 FPGA
- Microchip SAMD51
- 32-bit ARM Cortex-M4 Microcontroller
- 512KB FLASH / 192KB RAM
- 2MB External FLASH
- STEMMA QT (QWIC Compatible)
- 6 Analog Inputs
- 2 Analog Outputs
- 55 Digital I/O
  - 21 through-hole/castellated
  - 34 additional castellated
- 0.9 inches x 2.2 inches




Programmable  
with

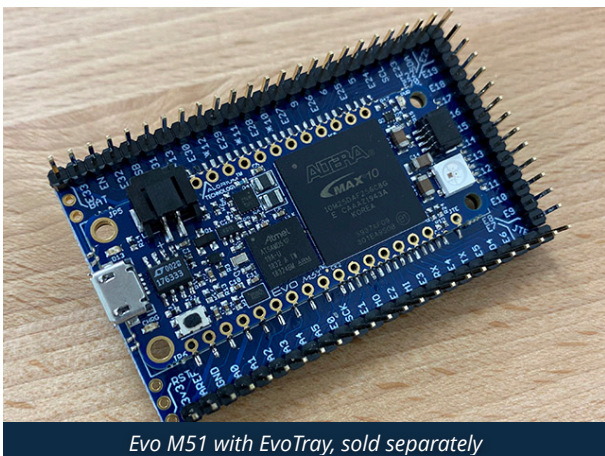


ARDUINO

Designed  
to support



python



*Evo M51 with EvoTray, sold separately*

### Applications

IoT Edge Analytics

Motor & Motion Control

Measurement & Test Equipment