



Simply Connected™

ARMmite
Single Board Controller
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Coridium ARMmite

Single Board Programmable Controller

Features

- ARM7 CPU running at 60 Mhz
- BASIC compiler runs >10 million lines of codes/sec or use the pre-configured C compiler
- Programmed via USB interface
- Stand-alone operation
- 32K Flash memory and 8K SRAM memory
- 24 TTL compatible digital I/O
- 8 10-bit A/D converter channels, 100 KHz rate
- 8 Hardware PWM channels
- Powered from USB or 7-12V DC input
- Optional rechargeable battery backed real time clock
- internal supplies of 3.3V and 1.8V

Digital Inputs and Outputs

- 24 pins programmable for input or output
- Shared with 8 pins for 10-bit A/D input
- >1 million IO operations/sec
- SPI support builtin with 800 Kb transfer rate
- I2C support with 380 Kb transfer rate
- SHIFT routines for Sync serial busses at 800 Kb rate
- 1-Wire support
- Async SERIAL builtin support upto 115.2 Kb
- Pulse timing and generation with 1 uSec resolution
- PWM with 8bit resolution
- Frequency synthesis to 50 kHz
- TTL compatible, 2.4V threshold
- IOs 5V tolerant

Misc

- 2" x .75" prototype area
- compatible with Hammond 1455C801 enclosure
- accepts 3.5mm terminal, DB or 0.1" connectors

Eval Kit Contents

- ARMmite single board computer
- USB A-B cable
- Simply Connected™ software on CD

Mechanical Specifications

Board Size	50 x 80 mm;
Operating Temperature	0° to 70°C

Electrical Specifications

Input Power	7-12 VDC
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[Download PDF Datasheet](#)
[Detailed Documents](#)
**\$49**

Available as

- \$49 single board
- \$59 Eval Kit
- [from Distributors](#)

Buy Online
