ORiDiUM ™
Networked Control Systems

Simply Connected™

ARMexpress
Programmable Core Module

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Coridium ARMexpress

Programmable Core Module

Features

- Simply Connected™ Technology
- ARM7 CPU running at 60 Mhz
- Programmed via Serial interface
- Onboard BASIC compiler runs >10 million lines of codes/sec
- 128K Flash memory with 40K available for user code
- 64K SRAM memory with space for 10,000 user variables
- 4K space in Flash writeable by user
- 16 TTL compatible digital I/O
- Onboard regulated power supply runs off 5-12V DC input
- internal supplies of 3.3V and 1.8V
- Compatable with other DIP24 module pin outs

Digital Inputs and Outputs

- 16 pins programmable for input or output
- >1 million IO operations/sec
- SPI support builtin with 600 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 19.2 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

Download PDF Datasheet
Detailed Documents

Available as

- Eval Kit
- Tube of 17
- from Distributors

Buy Online

VISA   MasterCard

Mechanical Specifications

Board Size	1.2" x 0.6"
Operating Temperature	0º to 70ºC

Electrical Specifications

Input Power	7-12 VDC
Power Consumption	250 mW
Processor	ARM7 @ 60 MHz
Digital I/O	16 TTL compatible, 2.4V threshold, 5V tolerant

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