

Simply  
Connected™ARMexpress  
Programmable Core Module
[Home](#) [Products](#) [Services](#) [Programming](#) [Support](#) [Press](#) [Contact](#) [About](#)

# Coridium ARMexpress

## Programmable Core Module

### Features

- Onboard BASIC compiler runs >10 million lines of codes/sec or use the quick start C compiler
- Built-in String Functions
- PBASIC extensions
- Stand-alone operation
- Onboard regulated power supply runs off 5-12V DC input
- 12K or more User Code Space and 4K or more User Data Space
- Compatible with other DIP24 module pin outs

### LITE version (LPC2103) \$49

- 32K Flash memory and 8K SRAM memory
- 6 hardware PWM channels
- 6 10bit A/D channels, 100KHz sample rate

### Original version (LPC2106) \$69

- 128K Flash memory and 64K SRAM memory
- 4K space in Flash writeable by user

### Digital Inputs and Outputs

- >1 million IO operations/sec
- SPI support builtin with 800 Kb transfer rate
- I2C support with 350 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
- software PWM with 8bit resolution
- Frequency synthesis to 50 kHz
- 16 5V tolerant IOs, TTL compatible, 2.4V threshold

### Mechanical Specifications

<b>Board Size</b>	1.2" x 0.6"
<b>Operating Temperature</b>	-40° to 85°C

### Electrical Specifications

<b>Input Power</b>	5-12 VDC
<b>Power Consumption</b>	250 mW
<b>Processor</b>	ARM7 @ 60 MHz - LPC2106/LPC2103
<b>Digital I/O</b>	16 TTL compatible, 2.4V threshold, 5V tolerant

### [Detailed Documents](#)



### Available as

- [Eval Kit](#)
- [online](#)
- [from Distributors](#)

