



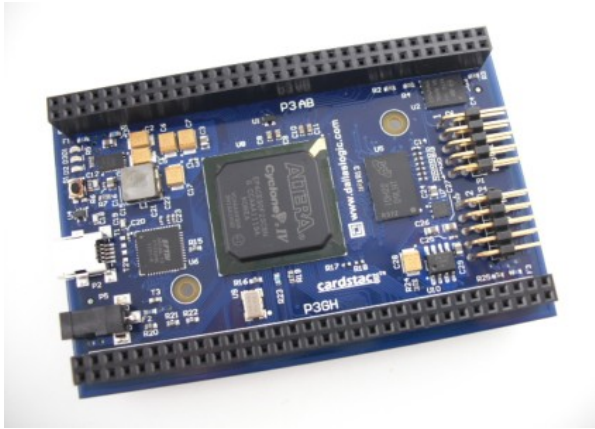
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CMC1003

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Five Years Out

CMC1003 Cyclone IV EP4C115/EP4CE55 FPGA Controller Module



Information :

The CMC1003 module allows implementation of general logic functions and/or Altera® Nios II processor operation in a compact form factor module. The module provides the following circuits to support an FPGA based controller:

- Altera EP4CE55 FPGA, optional 4CE115 available
- 64M x 16 DDR-2 SDRAM
- EPCS64 FPGA serial loader (FPGA and Nios II boot)
- USB 2.0 Peripheral Port (High speed operation)

The CMC1003 module also supports the [cardstac](#) specification (master or slave standard card, 128 pin), and can interface with other modules designed to that specification.

The CMC1003 **kit** includes an FPGA programmer and power supply, and provides all the hardware items which are necessary to start designing with and evaluating the powerful features of Altera® Cyclone IV FPGA devices.

Module Details :

- Altera® EP4CE55 FPGA, in -C8 speed grade in 484 pin BGA package.
- Separate programming ports (ASMI flash interface and JTAG interface).
- Reset and voltage monitor IC which provides 400ms reset pulse.
- Reset push-button switch.
- 109 input/output pins available on stack-through header.
- 3 discrete indicator LED (red, yellow, green).
- Clock oscillator (25 MHz).
- [cardstac](#) compatible design. Populated with stack-through connector.
- EPCS64 (64Mbit) serial flash for FPGA configuration and Nios II software.
- 64M x 16 bit (1024Mbit) SDRAM for Nios II program execution and dynamic data storage.
- USB 2.0 High speed port (FT232H).

Downloads :

- [PDF](#) CMC1003 User Guide Rel. 1.0

Available

Please request a copy using our contact email address requests@dallaslogic.com.

Product Data :

CMC1003-2M-55-8	EP4CE55 module	 Five Years Out Buy Now >
CMC1003-2M-55-8-KU	EP4CE55 USB Blaster Kit	 Five Years Out Buy Now >
CMC1003-2M-115-8	EP4CE115 module	 Five Years Out Buy Now >
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