

Low-cost FPGA PMC board

Description

The FM577 is a low-cost, low-power 65nm FPGA-based board available in the PMC form factor.

The architecture is based on two very competitive and resourceful Cyclone III FPGA devices. The FM577 offers high-functionality without compromising the performance or the ease of design. The board also features high-density DDR2 SDRAM memory devices for memory-intensive algorithms.

The FM577 can operate in thermally challenged environments. It is suitable for automotive, consumer, display, industrial, military, video/image processing and wireless markets.

Applications

- ▶ GPS combined with communication radio
- ▶ Digital cable QAM (ITU-T J.83)
- ▶ Digital encryption solutions
- ▶ Terrestrial and satellite video MODEMS
- ▶ Reconfigurable software defined radios
- ▶ Automotive graphics accelerators
- ▶ Mobile base station transceivers
- ▶ Digital TV encoders and modulators

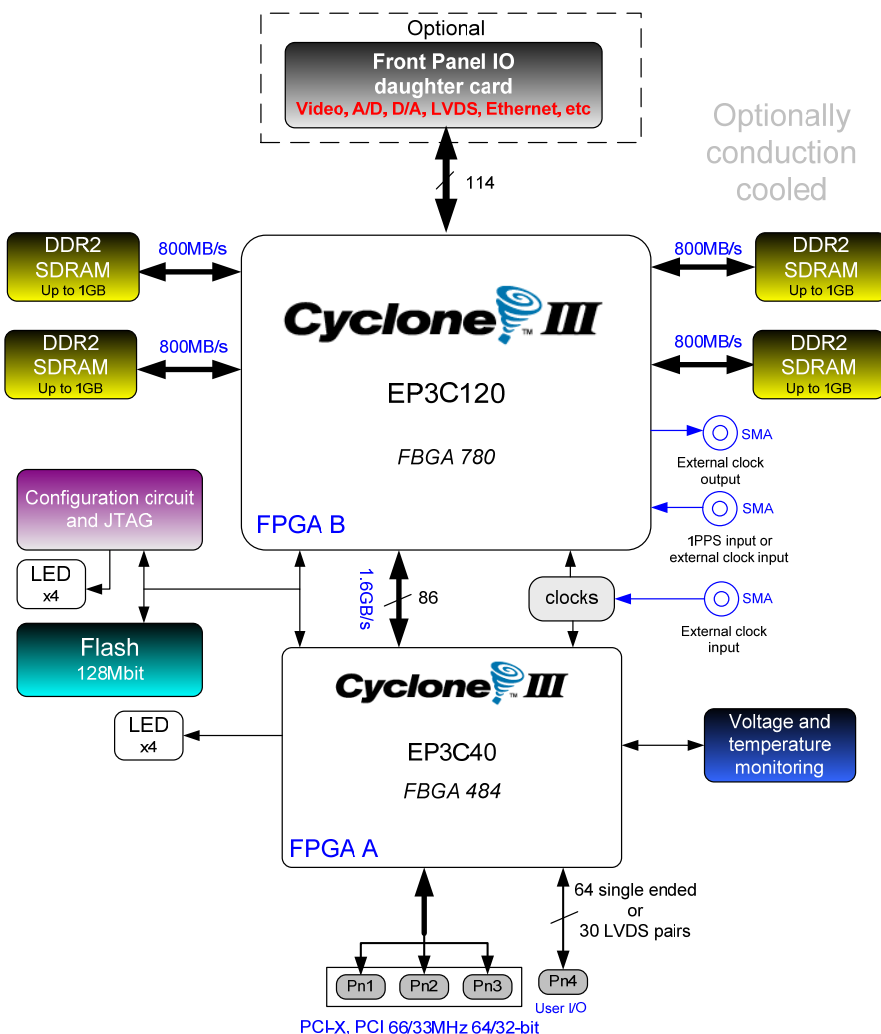
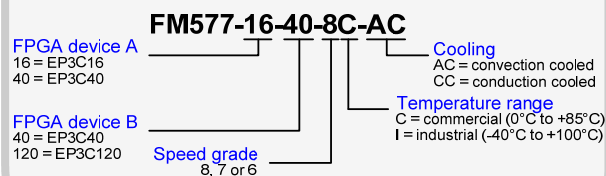
Features

- ▶ Dual Cyclone™III FPGA devices
- ▶ Up to 4GB of DDR2 SDRAM
- ▶ External 1PPS input or clock input
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- ▶ Voltage and temperature sensors
- ▶ PCI-X, PCI 133/66MHz 64/32-bit
- ▶ Video, A/D, D/A, LVDS, Ethernet...

Software support

- ▶ Board control and monitoring tools
- ▶ Flash programming utility
- ▶ Confidence tests
- ▶ Host side API
- ▶ Software program example
- ▶ ALTERA Quartus II files for both FPGAs
- ▶ Test firmware and VHDL source code
- ▶ Drivers for Windows, Linux or VxWorks

Ordering information



<http://www.4dsp.com/FM577>