

FM577

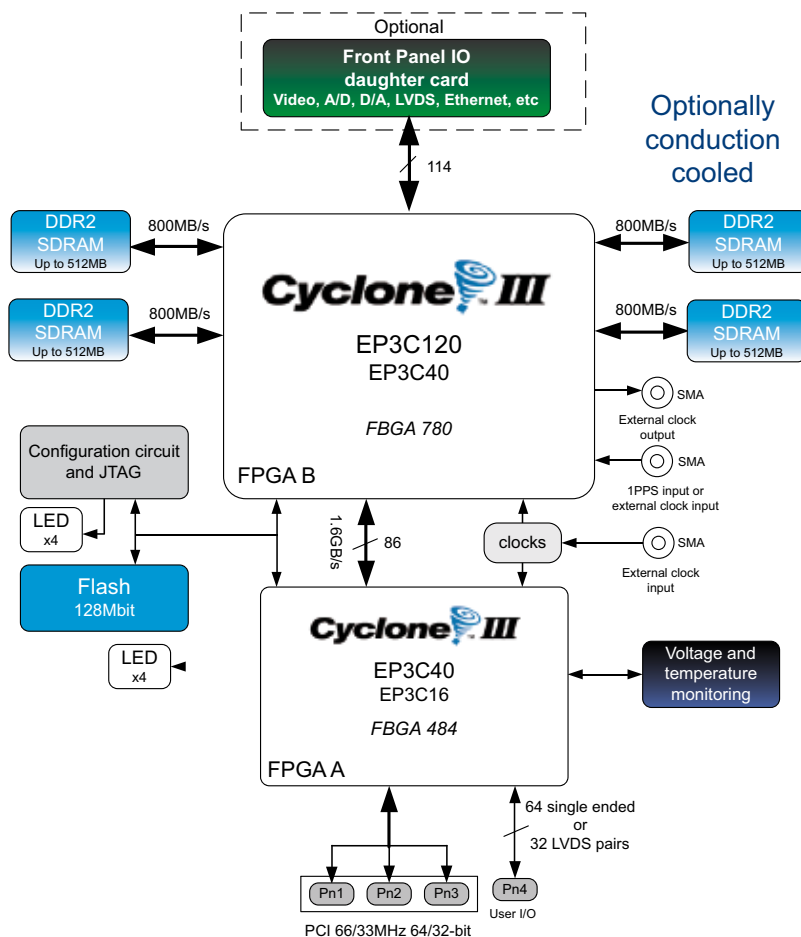
Low-cost FPGA PMC board

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

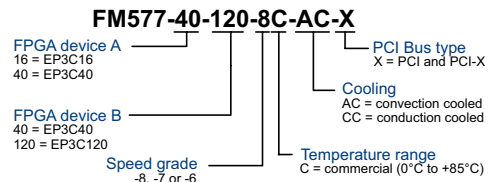
Features

- Dual Cyclone™ III FPGA devices
- Up to 2GB of DDR2 SDRAM
- External 1PPS input or clock input
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- Voltage and temperature sensors
- PCI 32/64-bit 33/66MHz bus interface
- 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



www.4dsp.com/FM577