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TECHNOLOGY GROUP

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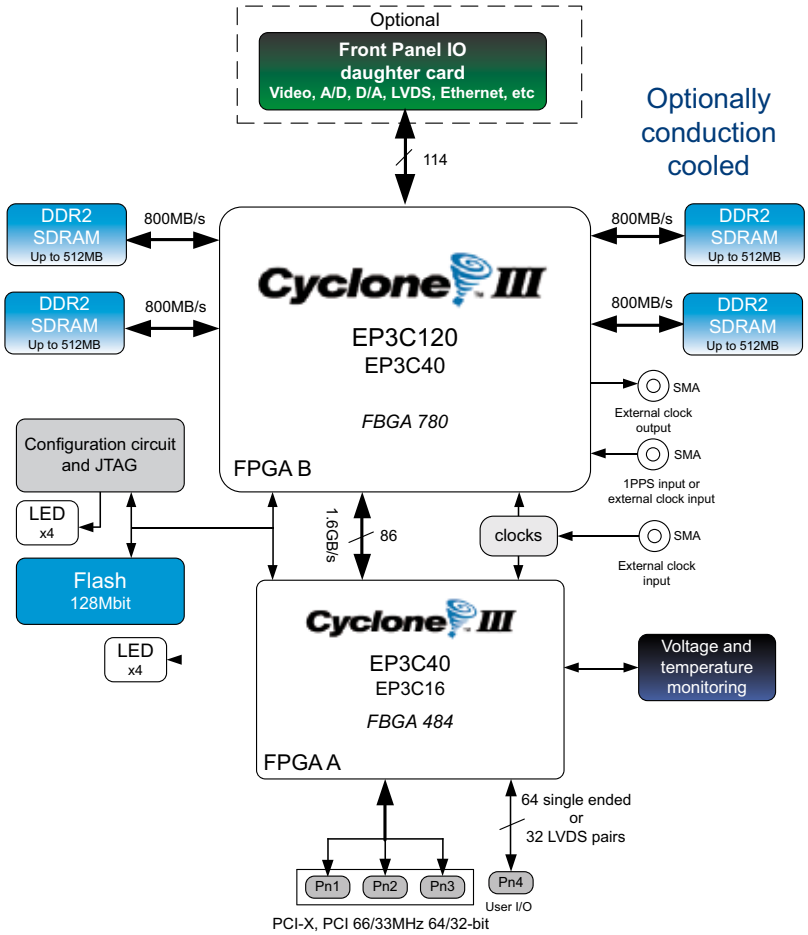
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FM577

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.



www.4dsp.com/FM577

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[tm] III FPGA devices
- Up to 2GB of DDR2 SDRAM
- External 1PPS input or clock input
- External clock output or signal sync.
- External 1PPS input or clock input
- 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

FM577-40-120-8C-AC-X

- FPGA device A: 16 = EP3C16, 40 = EP3C40
- FPGA device B: 40 = EP3C40, 120 = EP3C120
- Speed grade: -8, -7 or -6
- Temperature range: C = commercial (0°C to +85°C)
- Cooling: AC = convection cooled, CC = conduction cooled
- PCI Bus type: X = PCI and PCI-X

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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