

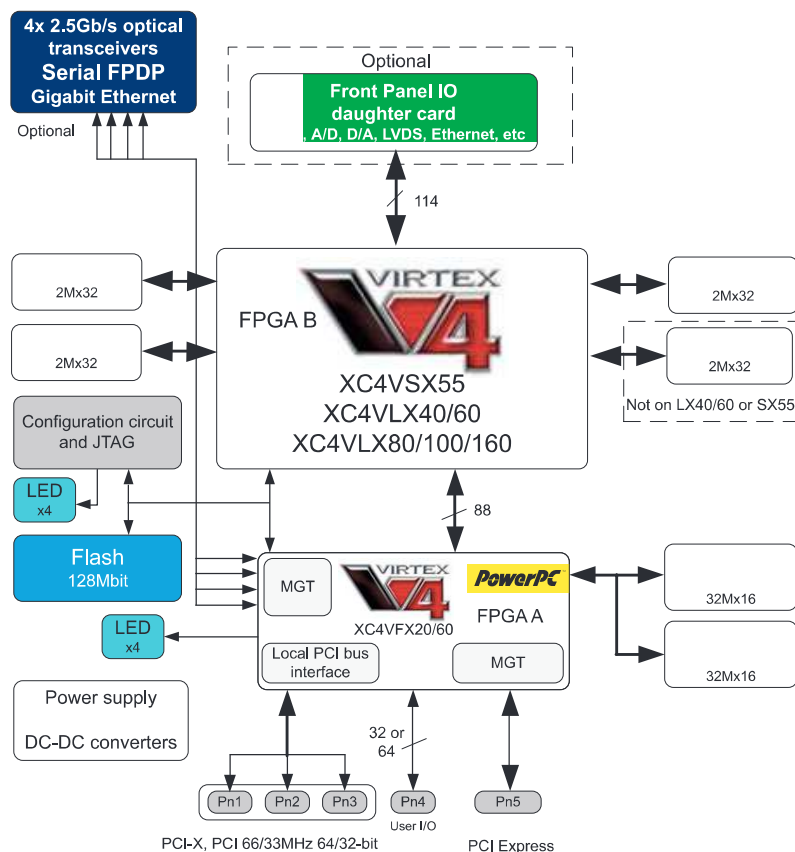
## FM482

# Virtex-4 PMC DSP accelerator

### Description

The FM482 is a high performance PMC/PMC-X/XMC expansion card designed for DSP applications requiring high-bandwidth and complex algorithms.

Bundled with various interfaces, fast onboard memory resources, two Virtex-4 FPGA devices and optical transceivers, the FM482 delivers the highest level of performance and flexibility for realtime acquisition and processing in the most demanding environments. The FM482 is the ideal prototyping and test platform to validate dedicated FPGA IP cores for 4DSP' signal processing algorithms.



### Applications

- High-bandwidth data storage solutions
- RADAR/SONAR signal processing
- Video and imaging processing
- Software defined radio (SDR)
- FFT, convolution/correlations
- Polyphase filter banks
- SAR processing
- Data acquisition

### Features

- Virtex-4 FX, LX or SX based platform
- Large SRAM and DRAM resources
- PowerPC to run embedded software code
- Optimized FPGA IP cores
- PCI-X 64-bit 133/66MHz, PCI 32-bit
- Standalone operating mode
- Conduction cooled option
- Optional: four serial FPDP

### Software support

- Board control and monitoring tools
- Flash programming utility
- Confidence tests
- Host side API
- Software program example
- Xilinx ISE projects for both FPGAs
- Test firmware and VHDL source code
- Drivers for Windows, Linux or VxWorks

### Ordering information

