ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Abaco Systems / 4DSP FM482V1* at our website: *Click HERE*

FM482

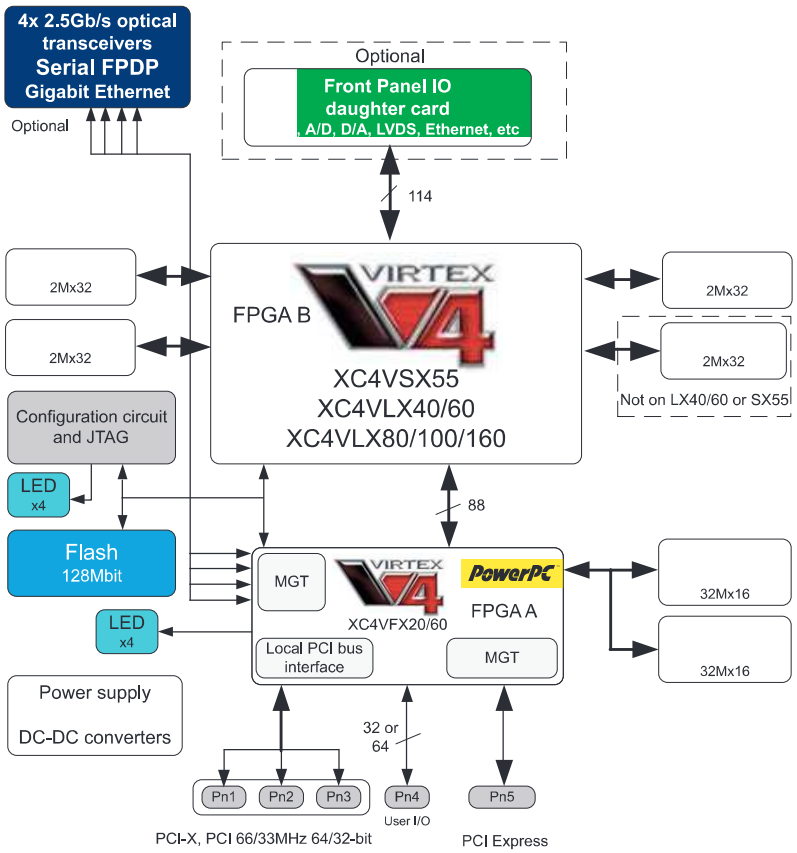
Virtex-4 PMC DSP accelerator

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

FM482-20-80-10C-AC-OT-X

- FPGA device A: 20 = XC4VFX20, 60 = XC4VFX60
- FPGA device B: 55 = XC4VSX55, 60 = XC4VLX60, 80 = XC4VLX80, 100 = XC4VLX100, 160 = XC4VLX160
- Speed grade: -10, -11 or -12
- Temperature range: C = commercial (0°C to +85°C), I = industrial (-40°C to +100°C)
- Cooling: AC = convection cooled, CC = conduction cooled
- Optical tranceivers: OT = 4x 2.5 Gbps, Blank = No device
- PCI Bus type: X = PCI and PCI-X, E = PCI express

www.4dsp.com/FM482

MEMBER VITA Open Standards, Open Markets

rev-1.0

Corporate Offices:
4DSP LLC · 1210 San Antonio Street · Suite 801
Austin · TX 78701 · USA
T +1 800 816 1751 · sales@4dsp.com

European Offices:
4DSP BV · Ondernemingsweg 66f · 2404 HN
Alphen a/d Rijn · The Netherlands
T +31 (0) 172 782 190 · saleseurope@4dsp.com

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.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

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

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP