



**Pentek** – Digital Signal Processing and High Performance I/O for Radar, SIGINT, Software Radio, Communications, EW, Data Acquisition and Image Processing applications.

- FPGA based boards w/ Xilinx RFSoc, Kintex UltraScale and Virtex 6 & 7
- VPX, VME, XMC, FMC, PMC, cPCI, PCIe, COTS, Rugged & Mil-Spec
- High-Performance A/Ds, D/As & DDRs, up to 6.4 GHz sample rate
- SPARK Fully-Integrated Development Systems
- TALON Data Recorders, storage rates up to 10 GB/s with up to 256 TB



**Concurrent Technologies** – Industry Leading Manufacturer of COTS Single Board Computers (SBCs) for the Mil/Aero, Defense, Security, Telecom, Industrial, Medical and Transportation markets.

- Latest Generation Intel XEON and Intel Core Processors
- OpenVPX, VPX REDI, VME, cPCI and MicroTCA
- XMC & PMC I/O boards, Comm, Ethernet, Graphics and PrXMC
- Development Systems with SBC, Switch, Storage and Chassis
- Commercial, Industrial, Rugged and Conduction Cooled



**ELMA Electronic** – Premier manufacturer of Chassis Solutions for the Mil/Aero, Industrial, Telecom, Medical, and Commercial markets. Active members of VITA, SOSA and FACE.

- VPX, VME, cPCI, VXS, AdvancedTCA, µTCA and Small Form Factor
- COTS through Full Custom Solutions, CMOSS Development Platforms
- Commercial, Industrial, Rugged, and full Mil-Spec; Rackmount and ATR
- Convection, Conduction and Liquid Cooled platforms
- Backplanes, Sub-racks, Enclosures & Cabinets



**Rugged Servers / Data Storage** – Innovative edge computing modules and systems for AI applications. Open Systems Architecture Platforms offer scalability, ultra-low latency and max data throughput.

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- AI data set capture, training, and large-scale inference
- Edge Computing - High Performance, mobile & rugged
- PCIe expansion and switching



**NEW WAVE DV** – Leading provider of programmable NIC solutions offering high-bandwidth and low-latency interfaces, special protocol support, data capture/generation, and network filtering/monitoring.

- 10/40/100G Ethernet & Fibre Channel with on board FPGAs
- PCIe, XMC, PMC and VPX in Commercial, Rugged & Full Mil-Spec
- Network Data Recorder and Playback appliances with high precision
- IP Cores for Ethernet, Fibre Channel, VITA 49, and other protocols
- Digital Design and Verification engineering services



**AIM** – Avionic Boards and system level solutions for Test, Simulation, Verification, Validation & Embedded for the following databus protocols:

- MIL-STD-1553 / 1760
- Fibre Channel / ARINC-818 / ARINC-429 / ARINC-629
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- CANBus / ARINC-825 & Fiber Optic Link Extensions for 1553 or 429
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- Rugged Small Form Factor (SFF) COTS Mission Computers



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- 3-D Modeling Design combined with Rapid Prototyping
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