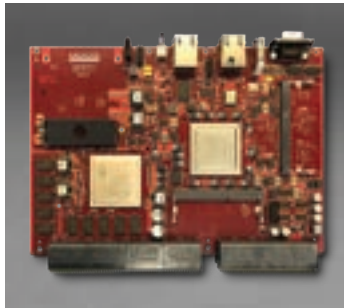


RAD TOLERANT, MULTI-CORE ARM SpaceVPX SINGLE BOARD COMPUTER



Connectivity between Payload Sensors, Avionics, and satellite Cross-links will require advanced, secure, communications platforms that integrates advanced network interfaces, high speed memory, and high performance multi-core processors equipped with integrated datapath acceleration engines.

Moog has leveraged state-of-the-art radiation tested commercial components, standard architectures such as VPX, and modern software operating systems to provide a high performance, highly capable Single Board Computer (SBC) for communications, networking, or general purpose applications.



The Cody series of 3U and 6U SpaceVPX Single Board Computers (SBC) can be integrated into customer VPX systems or utilized within Moog products such as the Solid State Recorder (SSR).

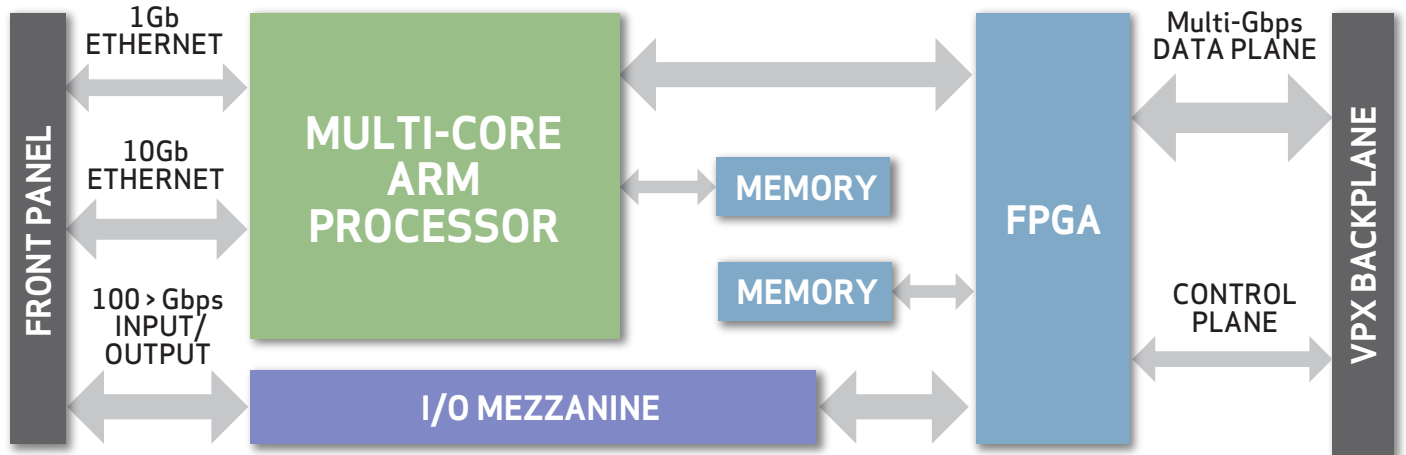
FEATURES

- Rad Tolerant, multi-core ARM Processor
- > 2 GHz operating frequency
- Supports multiple 1G and 10G Ethernet
- Data-path accelerators
- 100Gbps ingest/egress rates (optical or copper)
- Trust architecture capable
- Modern radiation tolerant FPGA
- FMC like mezzanine board provides flexible payload interfaces (Optical or Copper based) to FPGA
- Radiation Tolerant - 50KRad TID, SEL immune to 75MeV
- SpaceVPX (VITA 78), 3U and 6U
- Ruggedized VITA REDI, conduction cooled
- LEO to GEO mission orbits
- Flexible core and peripheral power control
- VxWorks and Linux OS support
- Middleware fault mitigation support

RAD TOLERANT, MULTI-CORE ARM COMMUNICATIONS SINGLE BOARD COMPUTER

APPLICATIONS

- EGateway, Router, Switch Network/ Communications Functions
- EO, IR, and RF sensor data processing
- AI, Machine Learning, Machine Vision
- Data Compression
- Data/File Management



MOOG
SPACE AND DEFENSE GROUP

For More Information:

Phil Tokeshi

2228 W Guadalupe Rd, Gilbert AZ 85233

(602) 572-2623 • ptokeshi@moog.com • www.moog.com



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