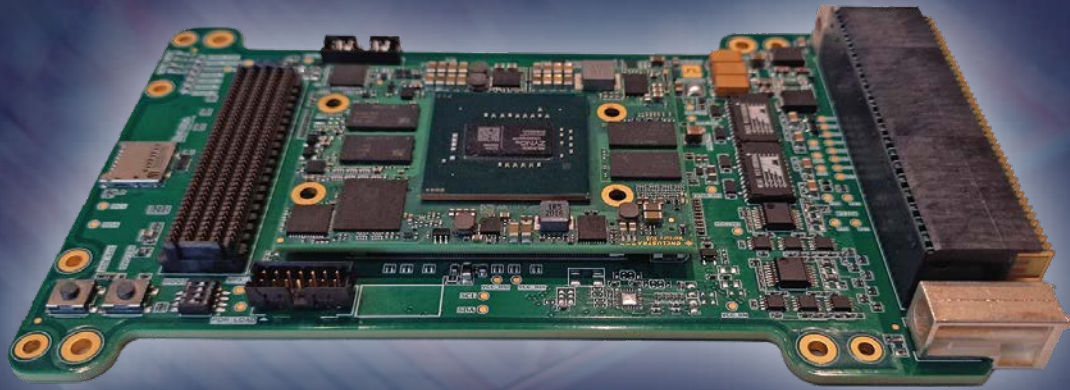


**3U VPX  
MODULE:  
BITFLEX-VPX3-MZQU**



The BitFlex-VPX3-MZQU is a high-performance FPGA processing module based on the Xilinx Zynq UltraScale + family of FPGAs. It provides multiple high-speed fabric interfaces, external memory, an FMC site, and high-density I/O. It is ideal for customizable, high-bandwidth, signal-processing and image-processing applications.





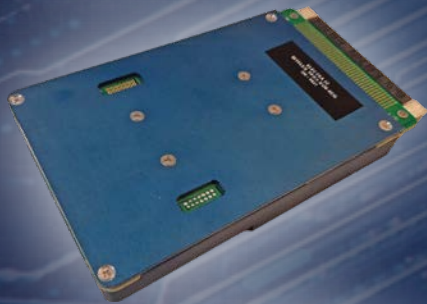
## FPGA

- Dual-core ARM® Cortex™-A53 MPCore™ up to 1.333 GHz
- Dual-core ARM® Cortex™-R5 MPCore™ up to 533 MHz
- 1 GB of DDR3 SDRAM
- 512 MB NAND flash
- 64 MB quad SPI flash



## PHYSICAL CHARACTERISTICS

- 3U VPX-REDI air-cooled form factor
- Dimensions: 100 mm x 160 mm
- 0.85 in. and 1.0 in. pitch with solder-side cover



## VPX (VITA 46) P1 I/O

- PCI Express Gen3 4x Lanes
- 8x RX/TX GTH-capable
- High-Speed Serial (HSS) lanes



## VPX (VITA 46) P2 I/O

- 2 x 1G Ethernet Interface
- RS232 Interface
- 2x USB Interface.
- 8 LVDS lines

## FIRMWARE SUPPORT

- VHDL cores for all hardware resources
- Base design



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