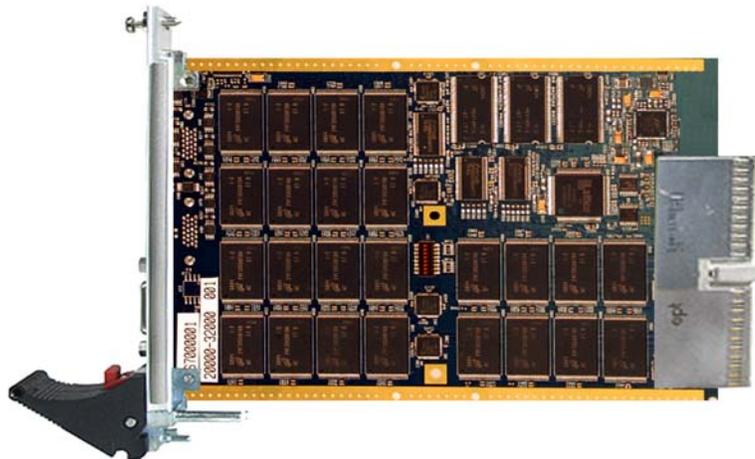




3U HIGH SPEED STORAGE SYSTEM

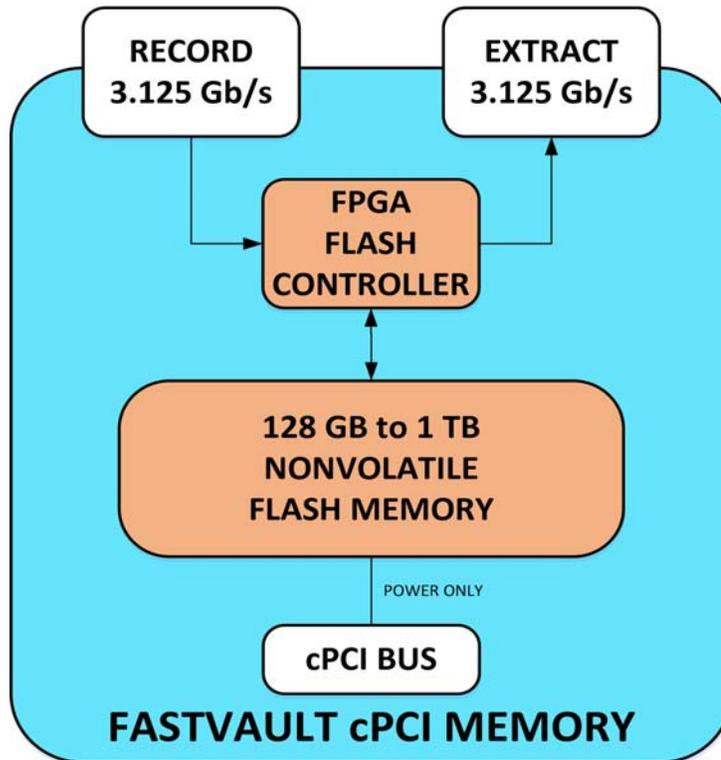
The FastVault-FL-cPCI is a 3U Eurocard form-factor board-level autonomous data storage system which can be used with Parallel FPDP, Channel Link, and GigE Input and output auxiliary board from Alacron. The front end data is formatted and preprocessed by a FPGA before being sent to the memory subsection. The storage subsystem consists of up to 1000 GigaBytes of flash non-volatile storage with a recording bandwidth of 256 MB/sec per card via bidirectional coexpress interfaces with up to four cards which can be attached to the auxiliary input board from Alacron. The FastVault-FL-cPCI can be supplied in a commercial or rugged board level version or in commercial, rugged, or militarized cases with varied input voltages, environmental, and temperature ranges.



FastVault-FL-cPCI Key Features:

- 3U form-factor board with up to 1000 GB dedicated high-speed flash RAM for sustained real-time on-board storage
- Collects data from parallel FPDP, 3 Channel Link or 2 GigE inputs
- Data collection up to 256 MB/sec per card with up to 1000 MB/sec with four boards
- Four (eight) bidirectional coexpress interfaces for each auxiliary interface board
- Programmable FPGA for I/O interface configuration and processing
- Board level product available in commercial or ruggedized versions, Systems available with multiple environmental and voltage options for virtually any standardized or custom standard performance standard.

FASTVAULT-FL-cPCI BOARD



FASTVAULT-FL-cPCI

BOARD CONFIGURATION

- Different flash memory densities available with up to 1000 GB per board.
- Different board level commercial or rugged standards available at the board level.
- Memory cards are cPCI 3U form factor but only use +5 volt power, not accessible via PCI bus
- Subsystems available with different commercial, rugged and militarized specification compliance

INTERFACES

- Parallel FPDP
- Up to 3 Channel Links
- Up to 2 GigE Ethernet inputs with GigE output
- Input Bandwidth up to 256 MB per second per board for a total of 1000 MB/sec combined bandwidth.

PROCESSOR OPTIONS

- One PNX1700 Processor with memory on auxiliary input board

MEMORY OPTION

- DDR3 memory directly connected to the input fpga for high-speed input
- Flash Memory densities up to 1000 GB

