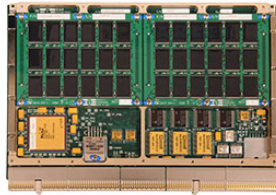




GEN3 FMC



The 3rd generation of the Flash Memory Card (FMC)

The GEN3 FMC is a 192 GByte card designed for space applications. It is a standard 6U cPCI form factor composed of 3 cards: the main controller card and two memory mezzanine cards. It supports data and control transfers via the backplane cPCI bus.

For more information, please contact proposal.team@seakr.com.

GEN3 FMC Technical Specifications

Memory Card

- Main Memory Controller and 2 Additional Memory Mezzanines
- PCI Target / Master

Data Capacity

- 192 GByte Flash Memory Card (less mapped out bad blocks)
- EDAC Protection for Full Chip Correct
- Less than 6.8×10^{-10} Errors per Day

Data Rates*

- PCI: 580 Mbps Read, 615 Mbps Write

SWaP

- Standard 6u cPCI (160mm x 233 mm)
- 5 Watts worst case
- 2 Watts typical
- 1.4 lbs

Radiation Tolerance

- 30 kRad TID
- SEE LET > 60 MeV