Advanced EO, IR, and RF payload sensors on modern satellites produce significant volumes of data at Gigi-bit rates.

This data is required to be temporarily stored on-board to support data processing, downlink, or cross-link opet b⊠ang (en-U/Span ⊠an(r)16b(1 (e) cr)18r)1w 10 0 0 10 18⊠S9 2.8

To support these needs, modern processors and memories paired with high speed optical or copper interfaces, executing file management/ database software is a necessity.

Moog has invested significantly in components, architectures, and automated manufacturing equipment to provide state-of-the-art, radiation tolerant data processing and storage solutions for the space market.

Moog has leveraged state-of-the-art radiation tested commercial components, standard architectures such as VPX, and modern software data management capabilities to provide a high performance, high capacity Solid State Recorder.

FEATURES

• Rad Tolerant, multi-core ARM Network Processor – 2.1GHz
  – Supports multiple 1G and 10G Ethernet

  ultra-fast access speeds
• RAID like ECC for multiple (>3) Memory board configurations
• FMC like mezzanine board provides flexible payload interfaces
  (Optical or Copper based)

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