

ProtecD@R® High Speed Encryptor (KG-540B)

High Speed InfiniBand Data-at-Rest Security



NSA Certified

32 Gb/s Aggregate Throughput

Ideal for Securing Large Data Files at High Speeds

Security for Top Secret/SCI and Below

Crypto Modernization Compliant

Overview

The ProtecD@R High Speed Encryptor (KG-540B) protects the Data-at-Rest (DAR) on InfiniBand-based storage networks. Ideal for high-performance computing and enterprise data centers, the ProtecD@R High Speed encryptor provides, low-latency security for large data files at 32 Gb/s throughput speeds. The KG-540B is designed for ground-based applications.

Ideal for high bandwidth applications the ProtecD@R High Speed encryptor can be used to secure large image, data and video files, for a variety of applications such as:

- High Performance & Supercomputing Facilities
- High Definition Video Servers

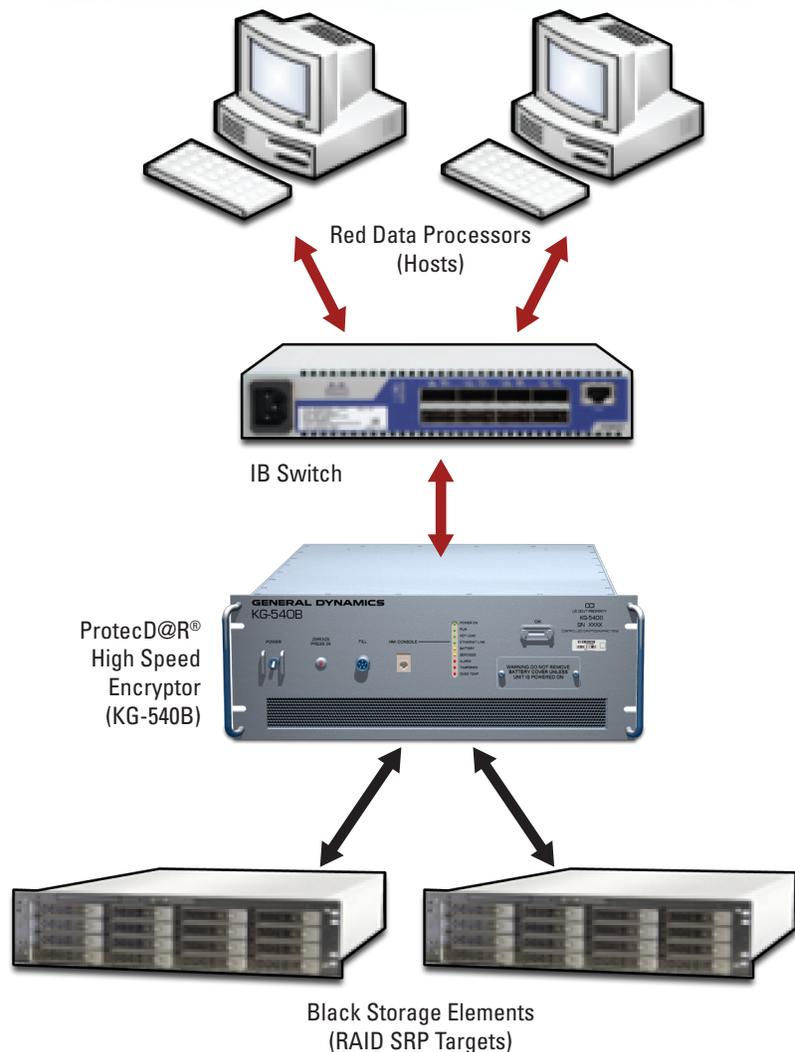
Features at a Glance

- 32 Gb/s aggregate throughput
- Certified to secure information classified Top Secret Codeword and below
- Low latency
- Secure software upgrade capability
- Field tamper recoverable
- Cryptographic key erasure quickly renders stored data unreadable

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Specifications

- **Dimensions**
 - 7" H x 17.50" W x 24" D (4U)
(19" Rack Mountable)
- **Weight**
 - 41.8 lbs
- **Power**
 - 110/220 VAC
 - 325W
- **Environmental**
 - Operating Temperature: 4°C to 40°C (40°F to 104°F)
 - Non-Operating Temperature: -40°C to 71°C (-40°F to 160°F)
- **Interfaces**
 - Four ciphertext (BLACK) 4x DDR interfaces and four plaintext (RED) 4x DDR interfaces
 - 50 µm multimode (850 nm) Short Reach fiber optics using MIL-DTL-38999 connectors
 - RJ-45 connectors for Local Console and Remote Management Ethernet
- **Key Fill**
 - Black key fill via DTD and SKL
- **Remote Management via SNMPv3**
 - Configure settings
 - View status/statistics
 - Collect audit logs for querying and archiving
- **Reliability**
 - 33,460 hour MIL-HDBK 217 calculated Mean-Time Between Failure (MTBF) at 30C in a ground benign environment



GENERAL DYNAMICS
Mission Systems

gdmissionsystems.com/cyber • infosec@gd-ms.com
Phone: 781-410-9400 • Toll-free: 888-Type1-4-U (888-897-3148) • Fax: 781-410-9863

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