



SafeKeep™ Data Transfer Equipment



GE Aviation has over 40 years of experience in the design, integration, and manufacture of data transfer and storage systems that are fielded on a multitude of military platforms across the globe including the F-15, F-16, F-22, and F-35. GE Aviation is committed to providing the most reliable and innovative equipment on the market.

GE's SafeKeep™ Data Transfer Equipment is designed to handle high volumes of digital data on today's advanced military platforms - both manned and unmanned. It offers unparalleled data encryption speeds, high speed upload and download of recorded data, hosting of user-developed applications, and user upgradeable Data Transfer Cartridges based on COTS solid state drives. This secure, high-capacity system provides customers a single solution that is highly configurable for a variety of applications.

SafeKeep™ meets the requirements of MIL-STD-461, MIL-STD-704, MIL-STD-810, and performs over an extended temperature range. It also implements internal Built-In-Test (BIT) to autonomously detect and report a minimum of 95% of functional failures providing complete autonomous end-to-end system checks, fault detection (FD), fault isolation (FI), and performance monitoring.

Specifications

General Features		Data Security	
Open Architecture (3U OpenVPX)		Inline Media Encryptor	
Field upgradable		FIPS 140-2 Encryption	
Secure Erase		NSA Type 1 Certifiable	
		CFSC Certifiable	
Interfaces		Removable Media	
MIL-STD-1553		3x data transfer cartridges	
4x Ethernet (1000/100/10)		>12 TB of storage	
Time Sensitive Networking (TSN)		COTS media (CFexpress, Serial ATA)	
Erase Discrete			
Ready Discrete			
NFSv4 Protocol Support		Reliability	
EKMS-308 Compliant DS-101 KeyFill		MBTF >4,500 hours	
RS-422 Host Control Interface		MTTR <30 minutes	
SNMP Host Control on Ethernet Port			
		Power	
Built-in-Test		28VDC Standard	
Power On Self Test (POST)		115VAC @ 400 Hz Optional	
Initiated (IBIT)		40 Watts Max	
Continuous (CBIT)			
		Size	
Environmental		5" W x 4.5" H x 8" D	
-54°C to 95°C Non-Operating		<10 lbs.	
-40°C to 71°C Non-Operating			



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