

Viasat BEYOND Encryption

Edge Solutions

Modern Key Loader (MKL)

Fully modernized key loader with a familiar user interface

- › Next-generation ruggedized handheld key loader, compliant with Security Evaluation Requirement Document (SERD) 2.0 and Crypto Modernization 2 (CM2) security requirements
- › NSA High Assurance certification in progress, est. Q4 2027
- › Key Management Infrastructure (KMI)-Aware (per KMI-3300) with support for Cryptographic Message Syntax (CMS) package handling
- › Replaceable touchscreen for quick repairs and highest up time
- › Advanced power management for long-lasting battery life
- › Downloadable End Cryptographic Unit (ECU) profiles enable support for new ECUs without requiring firmware recertification
- › Future capability: inter-operates with Viasat VINE® manager for proactive key management, device management, auditing, and alerts

Mission-ready design with SKL ease and VINE control

The MKL is a ruggedized key loader solution designed to meet next generation key loader requirements. It leverages WebSec's and Viasat's expertise in security and key management, along with proven manufacturing and reliability.

The MKL is compact and optimized for size, weight, and power consumption. It is designed for field repairability, featuring a replaceable touchscreen and both a commodity hold-up battery and a user-replaceable rechargeable operational battery. Dynamic power management, screen-off sleep mode, and rapid resume from sleep provide long battery life with operator ease of use. The KIK-007 supports downloadable ECU profiles, enabling support for new radios and encryption devices as they become available.

The MKL simplifies end-user training by leveraging a familiar Android touch-based user interface. Users will find key types, device listings, and navigation tools intuitive, making the MKL a modern and user-friendly key loader.



KEY HIGHLIGHTS

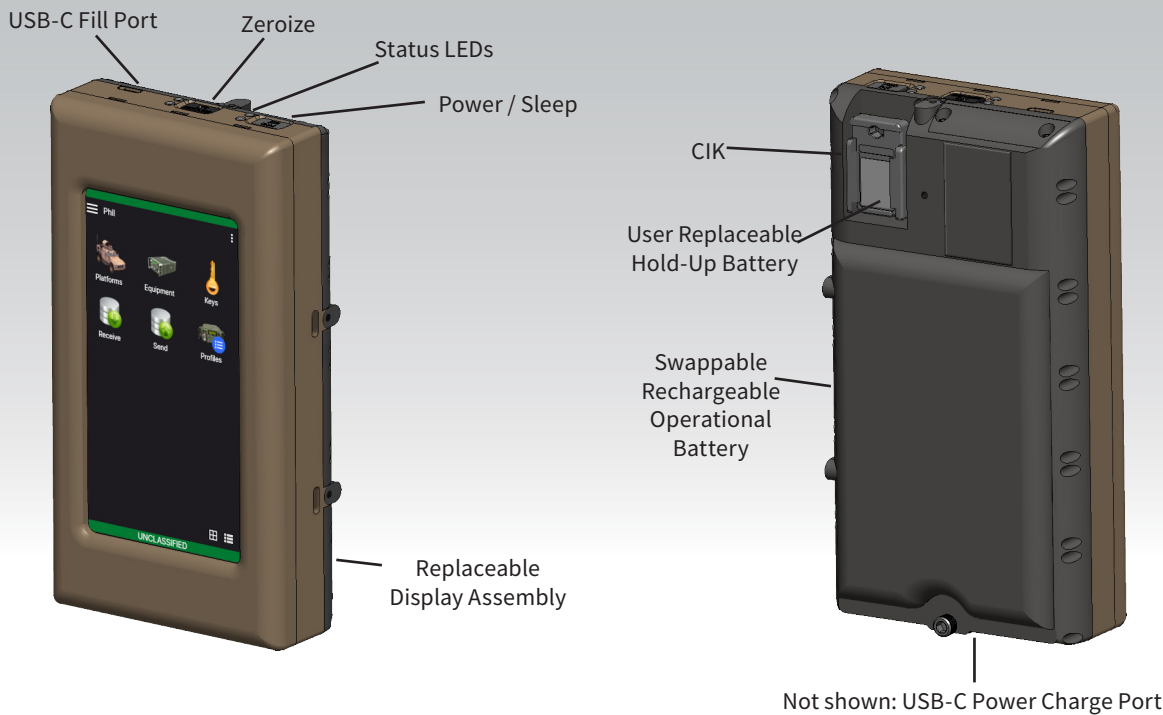
- › SERD 2.0 and CM2 compliant
- › KMI-aware (per KMI-3300), with planned PDE-enabled compliance (per KMI-3300)
- › Replaceable touchscreen reduces RMAs and increases uptime
- › Compact, handheld design with large responsive touchscreen
- › Downloadable ECU profiles enable support for newly developed COMSEC devices
- › Familiar Android touch-based user interface
- › Backed by Viasat's manufacturing and reliability expertise
- › One-year warranty

Viasat KIK-007 Modern Key Loader (MKL)

SPECIFICATIONS

PHYSICAL CHARACTERISTICS	
Dimensions	7 x 4 x 2 inches (<i>estimated</i>) with high-capacity battery
Weight	< 2 lbs. (<i>estimated</i>)
Battery	Operational battery life target (<i>estimated</i>): 8 hours screen-on, 100 hours sleep mode
ENVIRONMENTAL	
Test methods	MIL-STD-810F TEMPEST MIL-STD-461E
Operating temperature	-4°F to +122°F (-20°C to +50°C)
Storage temperature	-4°F to +140°F (-20°C to +60°C)
ACCESSORIES	
Fill Cables sold separately	
Contact us for more information on accessories	
GENERAL	
HMI	Android-based user interface with intuitive touch gestures
Key storage	10,000+ AES-256 keys
Management	Future capability: dual use KMI/Management compatible port with Viasat VINE® Manager for advanced key management functions
Over-the-Network-Keying (OTNK)	KMI-Aware (per KMI-3300) with support for CMS package handling; Future capability: PDE-enabled (per KMI-3300)
COMPATIBILITY	
EKMS 308F; DS-101, DS-102, and RS-232 via USB-C connector; generic 6-pin audio and equipment-specific fill cables available	
Downloadable ECU profiles to support existing NSA-certified ECUs as well as future devices	
ORDERING INFORMATION	
KIK-007	P/N 1474824 NSN TBD

KIK-007 Physical Architecture



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