HARRIS®

KGV-72

TYPE-1 PROGRAMMABLE ENCRYPTION DEVICE

NSA CERTIFIED

Network-centric,

programmable link encryptor

optimized for secure force

tracking

The KGV-72 Type-1 Programmable Encryption Device features a modular architecture with the programmability and scalability to accommodate a wide range of link and Internet Protocol (IP) in-line network encryption applications.

Developed as part of the Force XXI Battle Command, Brigade-and-Below (FBCB2) Type-1 Encryption Device (T1ED) Program, the KGV-72 is a high-grade security solution that is compatible with existing and future Blue Force Tracking (BFT) terminals and transceivers. Its flexible, software-upgradeable design supports both legacy FBCB2 L-band/BLOS link communications and evolving IP standards.

The KGV-72 is secured with the programmable National Security Agency (NSA)-certified Sierra II™ encryption module, which meets all requirements of the NSA's Cryptographic Modernization initiative. Programming of Suite-A and Suite-B algorithms is also supported, allowing the KGV-72 to be used for a wide range of in-line network applications. The KGV-72 operates seamlessly with installed FBCB2 remote computers and provides high-grade traffic data encryption.

For easy operation, the KGV-72 front panel features only a single knob and LED. Tested to MIL-STD-810F requirements, the KGV-72 is a military-rugged encryption device in a compact, form factor package ideal for secure force tracking applications.
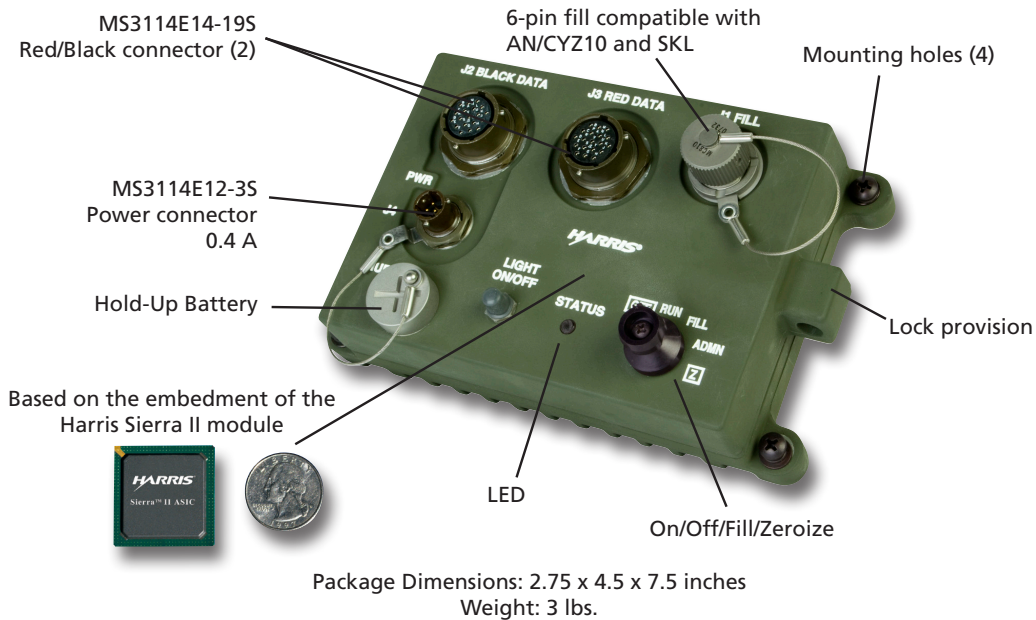
General

Application	Programmable Type-1 encryption for applications such as Force Tracking
Certification	NSA Type-1
Key Management	Both Red and Black key fill Stores up to 125 TEKs and KEKs

Physical

Size	4.5 x 7.5 x 3 in. (11.4 x 19.1 x 7.6 cm), not including cable dress
Weight	3 lbs. (1.4 kg), not including cables
Mounting	Mounting screws (4) and provisions for a Series 200 lock included Optional mounting available for CCI equipment

Environmental

Durability	MIL–STD-810F
Operating & Storage Temperature	-40° to +70° C

Interfaces

Control & Indicators	Front panel (single knob and single LED) or remote control via attached FBCB2 computer
Power	28 volt nominal
Fill	DS-101
Red Data	10/100 Ethernet; RS-422 (configurable to rates of 9.6, 19.2, 38.4, 57.6, 76.8, and 115.2 kbps)
Black Data	Same rates as Red Data

Power

Power Consumption	6 watts (typical)
Voltage	28 volt vehicles nominal Input Range 10–30 volts Over/Under/Reverse protection per MIL-STD-1275
Hold-Up Battery	Type ½ AA 14250C: NSN 6135-01-525-9943

MS3114E14-19S Red/Black connector (2)

6-pin fill compatible with AN/CYZ10 and SKL

Mounting holes (4)

MS3114E12-3S Power connector 0.4 A

Hold-Up Battery

Based on the embedment of the Harris Sierra II module

Lock provision

LED

On/Off/Fill/Zeroize

Package Dimensions: 2.75 x 4.5 x 7.5 inches
Weight: 3 lbs.