

DS-3 Module

Extending KIV-7M Utility to KG-95 Environments



Key Features

**Compatible with KIV-7M
Crypto Modern Suites A and B**

Software personality download to KIV-7M
Crypto Modern replacement for KG-95-2

**Compliant with
NSA TEMPEST Requirements**

**Supports Line Build Out (LBO)
for short cable lengths**

Desktop or Rack Mount

Low Cost, High Reliability

Designed to MIL-STD Environment

Multi-Channel

Independently Configurable Full Duplex
44.736 Mbps each direction

Key Specifications

Communication Modes

Dual Channel
Full Duplex
DS-3 Framed and Unframed

Electrical Interfaces

DS-3 75 Ohm Coax to KIV-7M
EIA 644 (LVDS)

Power

5 V DC $\pm 5\%$; 1 W Typical Consumption

Temperatures

Operating: -40° C to 65° C
Storage: -55° C to 85° C
Designed to MIL-STD-810F

Size

1.68" H x 5.88" W x 11.02" D
3.25 lbs.

MTBF (at 25° C)

Greater than 150,000 hours
(ground benign environment)

MTTR

Replacement Time: 5 minutes

The KIV-7M Family:

Leading the Way in Cryptographic Modernization

The SafeNet Mykotronx DS-3 Module brings the benefits of Crypto Modernization to the KG 95-2 community of users. This easy-to-install and -use ancillary device provides the required framing bits to encrypt a DS 3 connection comprised of multiple fractional DS 3 connections, or to support routers using ATM with PLCP (Physical Layer Convergence Procedure) framing.

The DS-3 Module can be rack-mounted or used standalone. Specifically designed for the standard KIV 7M rack-mount chassis, the device facilitates short cable lengths between the KIV-7M and the DS-3 Module.

When rack mounted, the DS-3 Module draws power from the power supplies of the rack-mount chassis. When used as a standalone device, power is supplied by a 120VAC power converter of the same type used by the KIT-7M.

Industry-standard Western Electric Co. (WECO) BNC-type, 75 Ohm connectors provide the needed connection points on the DS-3 Module's rear panel, making installation of the Module in existing environments quick and easy.



DS-3 Module Rear Panel

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PRODUCT BRIEF

