

Communication Systems-East

Local Management Device/ Key Processor (LMD/KP)

Keystone of Government and International Security Management Infrastructure

PRODUCT DESCRIPTION

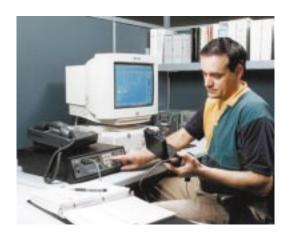
The LMD/KP is the Tier 2 component of the Electronic Key Management System (EKMS) that provides workstation services to the COMSEC custodian. The LMD/KP represents the integration of COTS technologies along with complex developed software into the fully functional end-user component of EKMS. Using a custom-designed Key Processor and a standard PC, the LMD/KP incorporates UNIX, database, and communication technologies to provide a robust work-station for the fielded EKMS system



- Ordering of electronic and physical key
- · Accounting and inventory reporting
- · Distribution of electronic key
- Secure storage of electronic key
- Access to Central Facility and Tier 1 message server
- Access to Central Facility X.500 directory

KEY TECHNOLOGIES AND COTS

- SCO UNIX
- ORACLE
- X.400 RUA
- X.500 DUA
- Ethernet (KP)
- TCP/IP
- X/Windows





FUTURE TECHNOLOGY TRANSITION

- · Web-based GUI
- · LAN architecture
- · COTS e-mail
- Alternate O/Ss
- · Multiple users
- Client/Server architecture
- Integration of Government and commercial key management

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SPECIFICATIONS

Local Management Device/Key Processor (LMD/KP)

LMD

SOFTWARE

User Supplied

SCO UNIX Open Desktop, Personal System (Includes TCP/IP and PPP for communications)

Provided

Local COMSEC Management Software (LCMS)

Oracle 7 Server Oracle SQL *PLUS

SQL*PLUS

X.400 Remote User Agent X.500 Directory User Agent

RECOMMENDED HARDWARE

User Supplied

Pentium-based computer

32 MB RAM

4.0 GB Hard Drive

SVGA

3.5" Floppy Disk Drive

Mouse RS-232 Port

Multiport Serial I/O Card

Laser Printer

KP (KOK-22A)

DIMENSIONS

Height 4.66 inches (11.84 cm)
Width 14.58 inches (37.03 cm)
Length 15.92 inches (40.44 cm)
Weight 18lbs (8.165 Kg) maximum

PRIMARY POWER

Voltage 90 to 265 Vac rms, single phase, auto-ranging

Frequency 50 to 400 Hz

Wattage 75W

Power Line Transients The KOK-22A will not be damaged by common or transverse mode

up to +/-2500 V peak and less than 2 microseconds in duration

Input/Output Ports EIA RS-232C (serial), DS-101 and DS-102 fill ports, TCP/IP over

Ethernet (IEEE 802.3)

TEMPERATURE

Operating +32° F to 125.6° F(0°Cto +52° C) Storage +30° F to 159.8° F (-40°C to 71° C)

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