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.

KEY FEATURES

- 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
## 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°C to +52° C)
- **Storage**: -40°F to 159.8° F (-40°C to 71° C)

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