

## The Standard for Voice and Data Security on Digital and Analog Networks

### PRODUCT DESCRIPTION

The STE is the standard for secure voice and data communications over PSTN or ISDN networks. With an ISDN network connection, STE provides users a secure connection in less than 2 seconds, offering the convenience of a digital telephone with crystal clear secure voice quality. STE incorporates SCIP signaling that supports interoperability with secure wireless devices and foreign protocols. In addition, the terminal can be used as a high speed data encryptor, which allows superior quality video conferencing as well as a highly efficient transfer of fax, data files, and NSA key material. The STE terminal is NSA certified for securing voice and data traffic at classification levels up to Top Secret / Sensitive Compartmented (TS /SCI).



### FEATURES

- ISDN (2B+D) and PSTN
- Over-the-air Re-key
- SCIP Signaling
- Remote Control Operation
- Telephone Features
- NSA Type-1 Cryptography
- Fast/Secure Call Set-Up
- Supports KSV Series Crypto Cards

### APPLICATIONS

- Clear and Secure Voice Communications
- Secure Voice Conferencing
- Secure Data File Transfer
- Video Teleconferencing
- FAX
- Secure Key Transfer
- Over the Air Re-key
- Supports SCIP-231/ Non Type-1 Capabilities



## USER COMMUNITY

- U.S. Federal Government
- U.S. Government Contractors
- U.S. Armed Forces
- CCEB Countries, NATO Member Nations, and Coalition Partners

## INTERFACES

- External Power Supply
- EIA-232E/EIA-530A Selectable
- Network
  - ISDN, BRI 2B+D, RJ-45 S/T Interface
  - PSTN, 2-wire, RJ-11

## DESIGN COMPLIANCE

- NSA Security Requirements
- FCC Parts 15 & 68
- US: EMC/EMI MIL-STD-461B RS03
- Europe: EMC, Safety, ISDN TBR-3

## POWER REQUIREMENTS

- External Power Supply 90-253 VAC, 47-63 Hz
- Auto ranging
- 20 Watts Maximum

## ENVIRONMENTAL

- Operating Temperature: 0° to 40°C
- Rel Humidity: 10% to 90% Non-condensing
- Storage Temperature: -20° C to 60° C

## SECURE DATA APPLICATION

Available Data Rates (Kbps)

Synchronous Secure

STE (FDX) 2.4, 4.8, 9.6, 19.2, 38.4, 56.0, 64.0, 112.0, 128.0

Asynchronous Secure

STE (FDX) 2.4, 4.8, 9.6, 19.2, 38.4, 115.2

Notes: Windows™ compatible

## SELECTABLE STE FEATURES

- Auto Secure/Secure Only/Traditional
- Zeroize Terminal
- Terminal Self Test Diagnostics

## SPECIAL FEATURES

### **Voice Encoders:**

- Clear Voice – PCM
- Secure Voice STE - ADPCM @ 32Kbps
- SCIP - MELP @ 2.4Kbps - G.729D@ 6.4Kbps

### **Switch Interoperability:**

- PSTN: Standard Analog PBX and Commercial
- ISDN: NI-1/NI-2, DEFINITY (WC BRI & 8510T), 5ESS, DMS-100
- European ISDN: ETSI - Net3

### **Unique Features:**

- Upgrade via Software Download
- Two (2) Type III PCMCIA Expansion Slots
- Desktop or Wall Mountable
- Remote Control via AT Command Set
- Auto Answer/Unattended Operation
- Secure Hold and Casual Conferencing
- Non-Secure Feature Set
- Terminal unclassified (non CCI)

## WARRANTY

- 36 Months Standard
- 1 Year and 2 Year Optional Extensions

### **L-3 Communication Systems-East**

1 Federal Street

Camden, NJ 08103 USA

Charlene Caputo

Tel: 856-338-2200

Email: charlene.caputo@L-3Com.com

www.L-3com.com/STE