

STE Remote Controllable Secure Voice and Data Terminal

PRODUCT DESCRIPTION

The STE-R family of products support secure voice conferencing, gateway access to secure enclaves, and remote access dial-up data in the secure data mode. STE-R products provide complete compatibility with any SCIP enabled device, thus making the STE-R ideal for new applications or as a replacement device for legacy systems. The STE-R provides both ISDN and PSTN network connectivity.

The CEU Model has a DISA-certified DRSN interface and includes a mounting plate to enable rack mounting. The STE-RI is the ISDN only version that is used in the L-3 Secure Voice Conferencing System. The STE-RI also comes on a rack mounting plate. The STE-R family is NSA certified for protection of data at classification levels up to Top Secret/Sensitive Compartmented Information (TS/SCI).



FEATURES

- Provides secure interoperability with:
 - STE on PSTN (POTS)
 - Any SCIP Device
 - OMNI™ and other Narrowband Terminals
- Supports KSV Series Crypto Cards

TYPES OF STE-R TERMINALS

- STE-R (Remote)
- STE-RI (ISDN)
- CEU (Channel Encryption Unit)

APPLICATIONS

- Type-1 Secure Voice Conferencing
- Gateway Services: Entry into secure enclaves
- Remote Control Operations: Unattended terminal operation through support of the AT command set and a host port connector

EQUIPMENT COMPATIBILITY

ISDN:

- NI-1, NI-2
- DMS-100
- Euro ISDN
- 5ESS
- Definity (WC BRI & 8510T)
- Redcom IGX



PHYSICAL CHARACTERISTICS

Size: 10" W x 9.5" D x 4" H (with Wedge)
Weight: 6 lbs

SECURITY

- US Government Enhanced Crypto Card (KSV Series Cards), SBU to Top Secret SCI
- Secure Access Control System (SACS)
- Access Control List (ACL)
- Maximum and Minimum Security Levels
- TEMPEST Compliant
- Telephone Security Group (TSG) Qualified

Interfaces:

- External Power Supply
- EIA -232E/EIA-530A Selectable, DB-25
- Front Panel Console Port, EIA-232E, Mod Jack
 - Supports User Friendly Configuration via
 - Standard PC (Program Included)

Design Application:

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

Power Requirements:

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

Environmental:

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

SPECIAL FEATURES

- Upgradable via Software Download
- Stackable or Rack Mounted Configurations
- Remote Control via AT Command Set
- Remote Control via Virtual Front Panel Software Included
- Auto Answer/Unattended Operation
- Front Panel Status Indicators/Reset and Zeroize Switch
- Hardware Flow Control
- Terminal unclassified (non CCI) without Crypto Card

User Community:

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

Switch Interoperability:

- PSTN: Standard Analog PBX and Commercial Switches
- ISDN: NI-1/NI-2, DEFINITY (WC BRI & 8510T), 5ESS, DMS100,
- European ISDN: ETSI - Net3
- Equipment Interfaces: Standard PC with Software Drivers

Unique Features:

- Upgrade via Software Download
- Two (2) Type III PCMCIA Expansion Slot
- Stackable
- Remote Control via AT Command Set
- Auto Answer/Unattended Operation
- Front Panel Status Indicators/Reset and Zeroize Switches
- Hardware Flow Control

Safety:

- ETL Listed (Conforms to UL, 1950)
- ETLc (Certified to CSA 22.2 #950)

EQUIPMENT INTERFACES

Telco:

- ISDN, BRI 2B+D, RJ-45 S/T Interface
- STE Mode: - ADPCM@32Kbps
- SCIP Modes: - MELP@2.4Kbps
 - G.729D@6.4Kbps
- PSTN RJ-11
- Red Voice: - Four (4) Wire Analog
- Red Digital Data: - EIA-232E/EIA-530A Selectable, DB-25

WARRANTY

- 36 Months Standard
- 1 year and 2 year optional extensions available

STE-R FAMILY MODELS



STE-R
Basic Mode



STE-R
Rack Mounted SVCS Module
CEU (DRSN Interface)

L-3 Communication Systems-East

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