

Communication Systems – East

STE-R FAMILY

STE REMOTE CONTROLLABLE SECURE VOICE/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. The STE-R family of products provides complete compatibility with STU-IIIs, STEs and any SCIP enabled device, thus making the STE-R ideal for both new applications and as a replacement for legacy STU-III/R systems. The STE-R provides both ISDN and analog network connectivity. The STE-RT is a Tactical STE-R that adds a four-wire Tactical (MSE) connection in addition to ISDN and PSTN connectivity. The CEU Model is certified by DISA as a DRSN interface. The STE-RI and CEU include mounting plates to enable rack mounting.



FEATURES

- Provides secure interoperability with:
 - STE on ISDN
 - STE on PSTN (POTS)
 - STU-III
 - Any SCIP Device
 - OMNI™ and other Narrowband Terminals
 - CDMA and GSM Wireless
- Models:
 - STE-R
 - STE-RT (Tactical)
 - STE-RI (ISDN) only
 - 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



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PHYSICAL CHARACTERISTICS

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

Weight: 6 lbs

EQUIPMENT COMPATIBILITY

COMSEC:

- STU-III
- L-3 Communications STE
- SCIP (wireline and wireless)

ISDN:

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

SECURITY

Information Protected by PCMCIA Crypto Card:

- US Government FORTEZZA Plus (KOV-14, KOV-14E, KOV-15, SOV-16), 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

DESIGN COMPLIANCE

FCC:

- Parts 15 & 68

EMC/EMI:

- MIL-STD-461B RS03

Safety:

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

POWER REQUIREMENTS

Universal Autoranging External PowerSupply:

- 90-253 VAC, 47-63Hz
- 20 Watts Maximum

STE-R FAMILY MODELS



STE-R
Basic Mode



STE-RT
Tactical Switch Interface



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

EQUIPMENT INTERFACES

Telco:

- ISDN, BRI 2B+D, RJ-45 S/T Interface
- STE Mode:
 - ADPCM@32Kbps
 - LPC-10e@2.4Kbps
- STU Modes:
 - CELP@4.8Kbps
 - MELP@2.4Kbps
 - G.729D@6.4Kbps
- SCIP Modes:
 - MELP@2.4Kbps
 - G.729D@6.4Kbps

- PSTN RJ-11
- STU and SCIP Modes (as noted above)
- MSE/Tri-Tac Tactical Switch

- Four (4) Wire
- Red Voice:** - Four (4) Wire Analog

- Red Digital Data:** - EIA-232E/EIA-530A Selectable, DB-25

SPECIAL FEATURES

- Upgradable via Software Download
- Stackable or Rack Mounted Configurations
- Remote Control via AT Command Set (Async 38.4Kbps data and backward compatible with STU-III via Hardware Flow Control)
- Remote Control via Virtual Front Panel Software Included (Rel 2.5+)
- Auto Answer/Unattended Operation
- Front Panel Status Indicators/Reset and Zeroize Switch
- Hardware Flow Control
- Terminal unclassified (non CCI) without Crypto Card

WARRANTY

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

Communication Systems–East

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www.L-3Com.com/STE



communications

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