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 L3 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-232/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
- 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 Zer0ize Switches
- Hardware Flow Control

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

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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

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