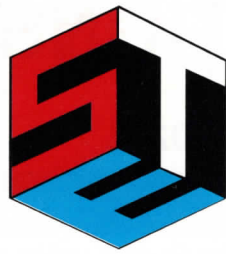




communications



# SECURE TERMINAL EQUIPMENT Office/STE

The Office/STE provides Encryption of Voice and Data for Digital and Analog Networks in a Single Integrated Package.

## PRODUCT DESCRIPTION

The Office/STE is the new standard for secure multi-media communication. With its ISDN network connectivity the Office/STE provides the user with a secure connection in less than 2 seconds, while offering the convenience of a full feature digital telephone and crystal clear secure voice. The terminal incorporates FNBDT signaling to provide wireless and foreign interoperability. In addition, the terminal is a high speed data encryptor, which allows superior quality video conferencing as well as highly efficient transfer of fax and data files. The Office/STE terminal is both digital and analog, allowing backward compatibility with STU-III and PSTN connectivity. The terminal is NSA certified for operational traffic at classification levels ranging from unclassified through Top Secret Sensitive Compartmented Information (TS SCI).



## APPLICATIONS

Secure Communications:

- Voice
- Data File Transfer
- FAX
- Casual Conferencing
- Video Teleconferencing

## KEY BENEFITS AND FEATURES

• ISDN, 2B+D	Simultaneous digital voice and data to multiple destinations at independent security levels, bonded 128Kbps data.
• Digital Multi-Media Video Teleconference 64Kbps FAX	Easily adds security to commercial equipment via menu selectable EIA-232E/EIA-530A host serial port.
• FNBDT Signaling	Wireless and foreign interoperability.
• PSTN	Tip/Ring with keyphone, standard phone service operation capability.
• PCMCIA Cryptography	Removable FORTEZZA Plus (KOV-14) supports SBU through TS SCI traffic.
• Fast Secure Call Set-Up	Less than 2 seconds.
• Electronic Rekey	Supports STE and STU-III rekey.
• Remote Control Operation	AT command set allows unattended terminal operation.
• Telephone Features	Secure caller hold and casual conferencing. Full Non-Secure feature set.
• Multiple Secure Satellite Hops	Enhanced global connectivity.

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# SPECIFICATIONS

Office/STE  
NSN: 5810-01-457-0292

## PHYSICAL CHARACTERISTICS

Size: 10"W x 9.5"D x 5.25"H (with Wedge)  
Weight: 7 lbs

## PERFORMANCE CHARACTERISTICS

### Security Features:

Information Protected by PCMCIA Crypto Card

- US Government FORTEZZA Plus (KOV-14), SBU to Top Secret SCI
- Secure Access Control System (SACS)
  - Access Control List (ACL)
  - Maximum and Minimum Security Levels
- Alphanumeric Display for Identification and Authentication
- Tempest Compliance
- Telephone Security Group (TSG) qualified

Selectable STE Features

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

### 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
- EMC/EMI MIL-STD-461B RS03
- ETL Listed (Conforms to UL, 1950)
- Y2K Compliant

### Environmental:

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

### Power:

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

## SPECIAL FEATURES

### User Community:

- U.S. Federal Government
- U.S. Government Contractors
- U.S. Armed Forces

### Voice Encoders:

- Clear Voice - PCM
- Secure Voice - ADPCM @ 32Kbps
- QCELP - 13 variable rate
- LPC-10e @ 2.4Kbps Interface
- CELP @ 4.8Kbps
- MELP @ 2.4Kbps

### Interoperability:

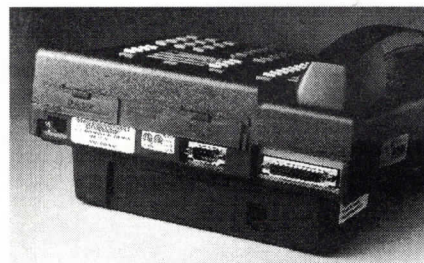
- STU-III
- ISDN Interfaces: NI-1, NI-2, DEFINITY (WC BRI and 8510T settings), 5ESS, DMS-100
- Equipment Interfaces: Video and Data Devices, Digital Facsimile
- European ISDN (ETSI - Net3)

### Unique Features:

- Upgrade via Software Download
- Upgrade via Two (2) Expansion Type III PCMCIA Slots
- Desktop or Wall Mountable
- Remote Control via AT Command Set
- AutoAnswer / Unattended Operation
- Secure Hold and Casual Conferencing
- Full Non-Secure Feature Set
- Terminal unclassified (not CCI) when without KOV-14 PCMCIA Card

### Warranty:

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



For Additional Information Contact:

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or **Visit our Website at:** <http://www.L-3Com.com/STE>

## SECURE DATA APPLICATION

	Kbps	2.4	4.8	9.6	19.2	38.4	56	64	112	128
Synchronous Secure										
- STE (FDX)		●	●	●	●	●	●	●	●	●
- STU (FDX)		●	●	●						
Asynchronous Secure										
- STE (FDX)		●	●	●	●	●				
- STU (FDX)		●	●	●						
- FNBDT*		●	●	●	●	●	●			

\*Note: Due to FCC regulations on power output, receiving speeds are limited to 53Kbps, sending speeds are limited to 31.2Kbps. Actual speeds may vary.



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