

Communication Systems – East

OFFICE/STE

PROVIDES VOICE AND DATA ENCRYPTION ON DIGITAL AND ANALOG NETWORKS

PRODUCT DESCRIPTION

The Office/STE is the current standard for dial up Type 1 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 an ISDN digital telephone and crystal clear secure voice. The terminal incorporates SCIP 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, and is upgradeable to VoIP. The terminal is NSA certified for operational traffic at classification levels ranging from unclassified through Top Secret Sensitive Compartmented Information (TS SCI).



FEATURES

- ISDN (2B+D) and PSTN
- SCIP Signaling
- STU-III Compatible
- PCMCIA Cryptography
- Fast Secure Call Set-Up
- Electronic Rekey
- Remote Control Operation
- Telephone Features
- VoIP Upgradeable

APPLICATIONS

Secure Voice and Data Communications:

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



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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, KOV-15, SOV-16), SBU to Top Secret SCI
- Secure Access Control System (SACS)
 - Access Control List (ACL)
 - Maximum and Minimum Security Levels
- Secure Dial
- 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
- US: EMC/EMI MIL-STD-461B RS03
- Europe: EMC, Safety, ISDN TBR-3

POWER REQUIREMENTS

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

STU (FDX) 2.4, 4.8, 9.6

Asynchronous Secure

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

STU (FDX) 2.4, 4.8, 9.6

SCIP (FDX) 4.8, 9.6, 24.6

Notes: Data rate autonegotiation with Rel. 2.2 and higher STEs.
Windows™ 95, 98, 2000, NT compatible

SPECIAL FEATURES

User Community

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

Voice Encoders

- Clear Voice
 - PCM
- Secure Voice STE
 - ADPCM @ 32Kbps
- STU
 - LPC-10e @ 2.4Kbps
 - CELP @ 4.8Kbps
- FNBTD/SCIP
 - MELP @ 2.4Kbps
 - G.729D @ 6.4Kbps

Switch Interoperability

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

Unique Features

- STU-III Backward Compatibility
- 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
- Non-Secure Feature Set
- Terminal unclassified (non CCI) without Crypto Card
- Upgradeable to VoIP with Retrofit Kit

Warranty

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

Communication Systems–East

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communications

Communication Systems–East

L-3. Leading. Headquartered in New York City, L-3 Communications employs over 63,000 people worldwide and is a prime system contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems.