

Communication Systems – East

TACTICAL/STE

The Tactical STE (Tac/STE) provides secure tactical and strategic digital multi-media communications, inter-operating with legacy TRI-TAC equipment while also providing basic STE, STU, and SCIP compatibility in a Single Unit.



PRODUCT DESCRIPTION

The Tactical/STE provides direct connection to tactical communication systems in the field as well as offering full office features and connectivity for use in garrison. The terminal incorporates FNBBDT/SCIP signaling to provide wireless and foreign interoperability. The design is based on the open, modular architecture, common with the Office/STE, allowing efficient software upgrades to deployed units. Tac/STE has been deployed in support of Operation Iraqi Freedom.

The Tactical/STE is NSA certified for operational traffic at classified levels ranging from unclassified through Top Secret Sensitive Compartmented Information (TS SCI).

FEATURES

- Full Office/STE Feature Set
- MSE/Tri-Tac Interoperable
- Electronic Rekey
- STU-III Compatible
- Black Digital Network Interface
- Remote Control Operation
- FNBBDT/SCIP Signaling
- PTT Capability (w/optional handset)
- Upgradable to VoIP

APPLICATIONS

Secure Voice Data Communications:

- Office (Garrison or Port)
- Field Tactical (MSE and Tri-Tac Deployed Switches)
- Satellite Multiplexed Communications (BDI-STU-III only)



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NSN: 5810-01-459-6438

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 (KOV14, KOV-15, SOV-16), 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, DB-25
- Network
 - ISDN, BRI 2B+D, RJ-45 S/T Interface
 - PSTN, 2-wire, RJ-11
 - TRI-TAC/MSE Wireline Modem, 4-Wire
 - EIA-232 E/EIA-530A (Black Digital Interface)

Design Compliance:

- NSA Security Requirements
- FCC Parts 15 & 68
- US: EMC/EMI MIL-STD-461B RS03
- Europe: EMC, Safety, ISDN TBR-3
- ETL Listed (Conforms to UL, 1950)

Power Requirements:

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

Environmental:

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

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
 - ADPCM @ 32Kbps
 - LPC-10e @ 2.4Kbps
 - CELP @ 4.8Kbps
 - MELP @ 2.4Kbps
 - G.729D @ 6.4Kbps

Interoperability:

- STU-III and MMT 1500
- ISDN Interfaces: NI-1, NI-2, DEFINITY (WC BRI and 8510T settings), 5ESS, DMS-100, Euro (ETSI-Net3)
- MSE/Tri-Tac
 - T1 IWF (STU-III and FNBDT modes)
 - MMT IWF (STU-III modes)
 - 4W to 4W Voice and Data
 - DNVT

Unique Features:

- Upgrade via Software Download
- Upgrade via Two (2) Expansion Type III PCMCIA Slots
- Remote Control via AT Command Set
- AutoAnswer/Unattended Operation
- Secure Hold and Casual Conferencing
- Non-Secure Feature Set
- Terminal unclassified (non CCI) when without Crypto Card Inserted

WARRANTY

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

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 auto negotiation with Rel. 2.2 and higher STEs.
Windows™ 95, 98, 2000, NT compatible



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communications

Communication Systems–East

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