

Communication Systems – East

OMNIXI™ SECURE TERMINAL

The OMNIXI™ Secure Terminal provides NSA certified Type-1 security from SBU to Top Secret SCI for voice and data communications by offering a versatile narrow band encryption solution that supports desktop, network and portable wireline user requirements.

PRODUCT DESCRIPTION

OMNIXI™ adds NSA certified Type-1 security to data links at synchronous rates up to 15 Mbps. The OMNIXI allows users to inventory one device that supports both the OMNI analog voice and data modes of operation, while also supporting high-speed link encryption and secure voice over dedicated digital networks. The wide array of capabilities makes the OMNIXI™ the best value solution in the Type 1 approved marketplace. L-3 expanded the capability of the Standard OMNI product by providing additional functionality previously only available in the OMNIXI version. For current Standard OMNI Users, a no-cost unlock code is now available to enable added functionality. These free unlock codes facilitate the full 15 mbps data and digital voice capability. The OMNIXI™ supports link encryption capabilities at less than half the price of its competitors.



Flexibility, performance, and value... All of which can only be found in OMNIXI™..

FEATURES

- NSA Type 1 Certified
- Secure Voice, Data and Fax over PSTN
- Secure Voice, Data over Digital Networks
- 15 Mbps Link Encryption
- Data Compression
- SCIP Interoperable
- US National, CCEB Countries, NATO Member Nations, and Coalition User Community Operation

APPLICATIONS

OMNIXI™ supports all OMNI™ applications plus:

- High Speed Link Encryption
- Secure Video Teleconferencing
- Secure Voice/Data Over SATCOM



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OMNI_{Xi}™ SECURE TERMINAL

PHYSICAL CHARACTERISTICS

- Size: 5.1" W x 6.2" D x 1.9" H
(12.9 cm x 15.7 cm x 4.8 cm)
- Weight: 1.5 lbs (0.7 kg)

PERFORMANCE CHARACTERISTICS

Security Features

- Type I Embedded Cryptography:
 - SBU to Top Secret SCI
- Secure Access Control System (SACS):
 - Access Control List (ACL) [100 Entries]
 - Maximum and Minimum Security Levels
- Alphanumeric Display for Identification and Authentication
- TEMPEST Compliant: NSTISSAM TEMPEST 1/92
- Telephone Security: TSG-5
- Key Management:
 - SDNS ReKey using SCIP Signaling
 - 4 Level Key Set Support
 - National • CCEB • NATO • Coalition
- Selectable OMNI™ Modes:
 - Traditional
 - Autisecure on Receive
 - Unattended
 - Auto-answer

INTERFACES

- Local EIA-232E/EIA-530/EIA-530A Selectable
 - Data (Async/Sync)
 - Fill
 - SW Download
 - Remote Control
 - "AT" Command Set
- Network RJ-11 POTS: Data or Voice
- Local RJ-11 POTS: Voice
- External Power Adapter
- Digital Network I/F: EIA-232E/EIA-530/EIA-530A Selectable (OMNI_{Xi}™)

DESIGN COMPLIANCE

- TELECOM: US: FCC part 68, EU TBR-21
- EMI/EMC: US: FCC part 15 Sub B, EU: EN55022/EN50082-1
- Safety: UL, CUL, IEC60950, CB Scheme

POWER REQUIREMENTS

- External Power Supply Included
- 91-252 VAC, 47-63 Hz (Autoranging)

ENVIRONMENTAL

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

SECURE DATA APPLICATION

SCIP Data Rates (OMNI)

- Synchronous Secure Data Up to 28.8 Kbps
- Asynchronous Secure Data Up to 33.6 Kbps

SCIP Data Rates (OMNI_{Xi})

- Synchronous Secure Data Up to 15 Mbps
- Asynchronous Secure Data Up to 128 Kbps

Windows™ 95, 98, 2000, NT 2003 compatible

SPECIAL FEATURES

User Communities:

- U.S. National
- Canadian National
- UK National
- Australian National
- New Zealand National
- CCEB Countries
- NATA Member Nations
- Coalition User Communities

Voice Encoders

- MELP @ 2.4 Kbps
- G.729D @ 6.4 Kbps

Unique Features

- Upgrade via Software Download
- Remote Control via AT Command Set
- Auto Answer/Unattended Operation
- Auto Log Off
- Multi User PINs

Warranty

- 2 Year Standard
- 1 Year and 3 Year Extension Options

Communication Systems–East

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communications

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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.