# SPECIFICATIONS OMNI and OMNIxi

### Physical Characteristics

**Size:** 5.1"W x 6.2" D x 1.9"H (12.9cm x 15.7cm x 4.8cm)

Weight: 1.5 lbs (0.7kg)

### **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 FNBDT Signaling
  - 4 Level Key Set Support
  - National CCEB NATO Coalition
- Selectable OMNI™ Modes:
  - Traditional
  - Autosecure on Receive
  - Unattended

### 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 (OMNIxi™)

### **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)
- · Less than 5 Watts (Typical)

### **Environmental:**

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

### **SECURE DATA APPLICATION**

### **FNBDT Data Rates (OMNI)**

- Synchronous Secure Data Up to 28.8 Kbps
- Asynchronous Secure Data Up to 33.6 Kbps
- Asynchronous Secure Data Up to 56 Kbps when other end is attached to a secure digital link

CCEB Countries

NATO Member Nations

Coalition User Communities

### **FNBDT Data Rates (OMNIxi)**

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

### Windows<sup>™</sup> 95, 98, 2000, NT compatible

### Special Features

### **User Communities:**

- U.S. National
- Canadian National
- UK National
- Australian National
- New Zealand National

### Voice Encoders:

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

### **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

### For Additional Information Contact:

L-3 Communication Systems-East One Federal Street, Camden, NJ 08103 Telephone: 856-338-6207

Toll Free: 800-339-6197 Fax: 856-338-2741 or Visit our Website at: http://www.L-3Com.com/STE



Communication Systems-East



- NSA Type 1 Certified
- FNBDT Interoperable
- Secure Voice, Data and **Fax over PSTN**
- High Quality Voice
- V.90, V.34, V.32 Modem
- Data Compression
- Software Upgradable
- US National. **CCEB Countries**, **NATO Member Nations.** and Coalition User **Community Operation**
- Crypto Modern **Upgradable**



www.L-3Com.com/OMNI



The OMNI™ Secure Terminal provides

Type-1 security for both voice and data

band encryption solution to address desktop

and portable wire-line user requirements.

communications in a versatile narrow

OMNI™ adds NSA certified Type-1 security to any standard analog telephone, personal computer, or secure fax machine. The OMNI™ offers toll quality secure voice as well as secure data communications using an integral V.90 capable modem. **FNBDT** (Future Narrow Band Digital Terminals) signaling ensures interoperability with STE terminals and other FNBDT devices that have



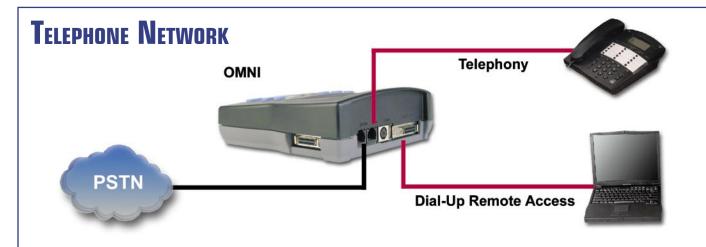
received NSA Type-1 certification. Users can connect a STU-III in conjunction with an OMNI™ to support FNBDT voice and data calls as well as STU-III voice and data calls. This enables legacy interoperability with a STU-III, while at the same time affording the user improved voice quality and faster data rates when the OMNI™ interoperates with other FNBDT devices.

# **OMNI™** Applications

- Secure Voice over PSTN
- Secure Voice Conferencing Client
- Secure Modem Data over PSTN
- Secure Remote Access Dial-up over PSTN
- Secure Point-to-Point Data File Transfer
- Secure Fax over PSTN (when used with a secure fax)

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# APPLICATIONS OMNI / OMNIxi Secure Terminal TM

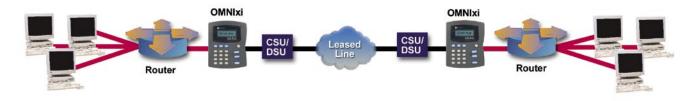




# LINK ENCRYPTION (WAN)

**OMNI** 

Interoperability:



### **OMNI - STU-III Comparison**

**Data Rates:** 

**OMNI** 

Wireless (GSM/CDMA) STE FNBDT Devices	Yes Yes Yes	No Yes No	9.6Kbps Up To 33.6 Kbps Up to 15 Mbps (xi mode)	Yes Yes Yes	Yes No No
Voice Quality:			Data Compression	Yes	No
2,400 Bps 4,800 Bps 6,400 Bps	MELP No G.729D	LPC10 CELP No	Data Modes: Async Sync	Yes Yes	Yes Yes

STU-III



The OMNIxi Secure Terminal provides Type-1 security for high-speed data communications while retaining OMNI's secure voice and data capabilities to support desktop and portable users.

# **FEATURES**

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



www.L-3Com.com/OMNIxi

## OMNI×i™ 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 digital networks. The wide array of capabilities makes OMNIxi the best value solution in the Type I approved marketplace. A user can purchase the standard OMNI device as an analog voice and data encryptor today and purchase the OMNIxi as a software upgrade to unlock the full 15 Mbps data and digital voice capability. The OMNIxi supports link encryption



capabilities at almost half the price of its competitors. Flexibility, performance, and value... All of which can only be found in OMNIxi.

# OMNI×i™ Applications

OMNIxi™ supports all OMNI™ applications plus:

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

STU-III