

OMNI

SECURE TERMINAL™

The OMNI™ Secure Terminal provides Type-1 security for both voice and data communications in a versatile narrow band encryption solution to address desktop and portable wire line user requirements.

FEATURES

- 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

OMNI™ PRODUCT DESCRIPTION

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)

OMNI

SECURE TERMINAL™

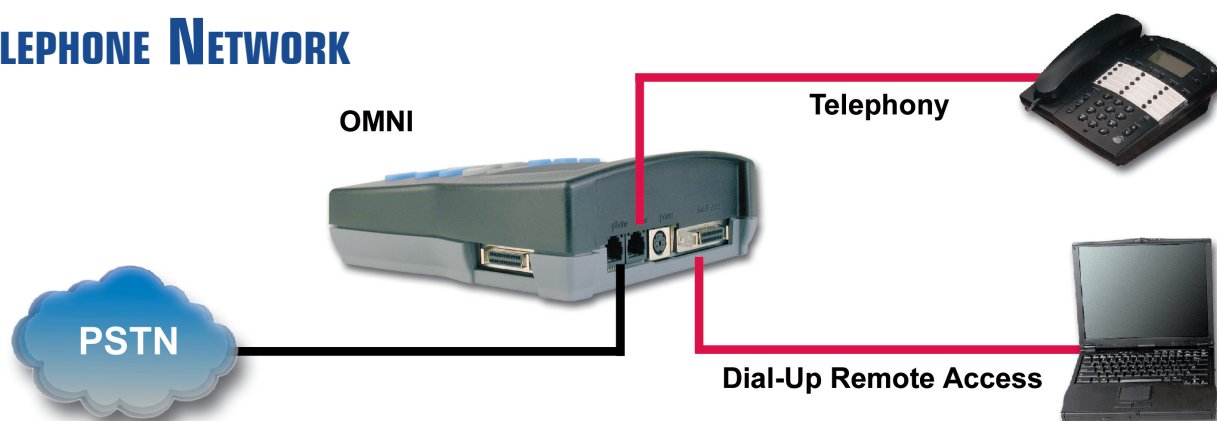
www.L-3Com.com/OMNI

OMNI OMNI OMNI OMNI OMNI OMNI OMNI OMNI OMNI OMNI

APPLICATIONS

OMNI / OMNixi Secure Terminal™

TELEPHONE NETWORK



SATCOM (ANALOG AND DIGITAL)

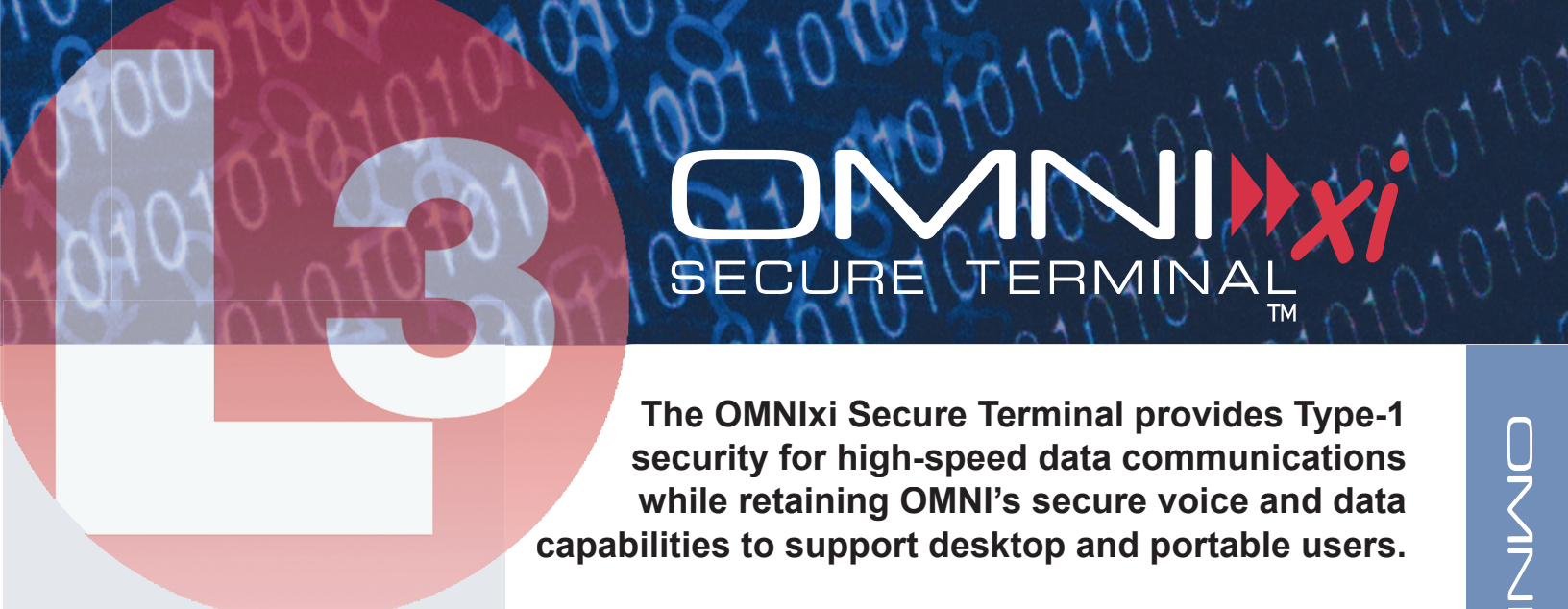


LINK ENCRYPTION (WAN)



OMNI - STU-III Comparison

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



OMNIXi

SECURE TERMINAL™

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

OMNIXi™ 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.



OMNIXi™ APPLICATIONS

OMNIXi™ supports all OMNI™ applications plus:

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



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

Key Management:

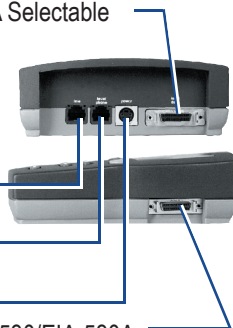
- SDNS ReKey using FNBDT Signaling
- 4 Level Key Set Support
 - National • CCEB • NATO • Coalition

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 19.2 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

FNBDT Data Rates (OMNIxi)

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

Windows™ 95, 98, 2000, NT compatible

SPECIAL FEATURES

User Communities:

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

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: 856-338-5995

FAX: 856-338-2741

E-mail: OMNI@L-3Com.com

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



communications

Communication Systems-East