



communications

SECURE COMMUNICATIONS

OMNITM *xp*

SECURE TERMINAL

*The OMNITM *xp* Secure Terminal provides Homeland Defense and commercial users with secure communications on any analog telephone, computer, or data device.*

PRODUCT DESCRIPTION

OMNITM *xp* offers secure dial-up data communication at rates up to 33.6Kbps using an integrated V.90 modem as well as toll quality secure voice FNBBDT (Future Narrow Band Digital Terminal) signaling ensures reliable communications even while experiencing poor line conditions. The versatility of OMNITM *xp* can be expanded to support digital voice and data (up to 2Mbps) via the high speed RS-232E/EIA-530/EIA-530A ports with a software upgrade.



APPLICATIONS

Voice Services: OMNITM *xp* offers a toll quality secure voice solution that provides excellent voice quality due to the use of FNBBDT signaling. The OMNITM *xp* can be used with any standard analog telephone.

Data Services: OMNITM *xp* supports secure modem data rates up to 56Kbps, remote control using AT Command Set, and interfaces to your computer using a standard serial RS-232E/EIA-530/EIA-530A interface

Facsimile Services: OMNITM *xp* enables facsimile machines having an RS-232 data port to send secure documents anywhere in the world.

Ease of Use: User satisfaction is ensured through one button security; OMNITM *xp* automatically negotiates a session key with the OMNITM *xp* on the other end, and seamlessly encrypts/decrypts your conversation, fax or data transfer.

Growth Capabilities: OMNITM *xp* 's capability can be enhanced via software upgrade to include digital voice and data (up to 2 Mbps) to support applications such as SATCOM, Frame Relay, Video Teleconferencing, Channel Encryption and a host of other applications.

SPECIFICATIONS

OMNITMxp
SECURE TERMINAL

PHYSICAL CHARACTERISTICS

Size: 5.1"W x 6.2"D x 1.9"H (12.9cm x 15.7cm x 4.8cm)
Weight: 1.2 lbs (0.54kg)

MODES OF OPERATION & INTERFACES

Voice Telephony:

- Host Telephone: - Standard POTS RJ-11 Interface (2-wire)
- Network: - Standard POTS RJ-11 Interface (2-wire)
- Clear Voice: - Bypass Mode
- Secure Voice: - 6.4Kbps G.729 Annex D
 - MELP @ 2.4Kbps
 - MELP @ 1.2Kbps

Modem Data Communications:

- Data Input: RS-232E/EIA-530/EIA-530A Selectable
 - Async: Up to 336 Kbps
 - Sync: Up to 28.8 Kbps
- Network: Standard POTS RJ-11 Interface
- V.90/ V.34/V.32 Modem:

Kbps: 2.4 4.8 9.6 19.2 **28.8** 33.6
Async: 
Sync: 

Interfaces:

- Local RS-232E/EIA-530/EIA-530A Selectable
 - Data (Async/Sync)
 - Fill
 - SW Download
 - Remote Control via "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

DIGITAL NETWORK UPGRADABLE

Software Upgrade: Data Rates Up to 2Mbps

SECURITY

Type 3 Embedded Cryptography:

- AES Encryption Algorithm
- 192 Bit Key

Alphanumeric Display for Configuration and Diffie-Hellman Key Fingerprint Verification

Authentication:

- Unique "Key Fingerprint code"
- Manual Key Load Capable (customer request)
- Public Key Exponent: 1024 Bit Diffie-Hillman Key Exchange

Selectable OMNITMxp Modes:

- Traditional • Autosecure on Receive • Unattended

Note:
(1) Due to FCC regulations on power output actual speeds may vary.

Specifications are subject to change with out notice.

EQUIPMENT COMPATIBILITY

- PSTN:** - Standard Analog Telephones
- V.90 Modem
- Data Devices:** - Computer or other Data Device via Standard Serial Data Port EIA-232E/EIA-530/EIA-530A

POWER REQUIREMENTS

Universal Auto Ranging External Power Adapter (supplied):

- 91-252 VAC, 47-63Hz
- 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

DESIGN COMPLIANCE

- FCC:** - Part 15 Sub B, Class B & Part 68
- EMC/EMI:** - EN 55022 and EN 50082-1
- Safety:** - UL 1950, EN 60950, IEC950

WARRANTY

- One Year Standard

For Additional Information Contact:

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