



communications

IDIQ Contract
MDA904-96-D-0025
CLIN: 0032

OMNI^{xi}
SECURE TERMINAL™



THE OMNI^{xi} advantage



Supports Broadband Networks

- ▶▶ 2.048 Mbps Bulk Encryption
- ▶▶ Digital Voice
- ▶▶ Secure Voice and Data over PSTN
- ▶▶ US, NATO and Coalition Operation

OMNIxi is the most versatile and cost effective Type 1 Bulk Encryptor available, anywhere! *

OMNIxi Secure Terminal will be available May 2002!

Performance:

- Data Rates Up to 2.048 Mbps!!!
- Voice and Data over both Analog and Digital Networks

Ease of Use:

- Newer Cryptography and Key Management when compared to legacy encryptors
 - FIREFLY Implementation
 - ✓ No Daily Updates
 - Supports SDNS over the air rekey
 - ✓ Simplified Rekey Operations
 - PIN based entry
 - ✓ No CIKS or PCMCIA cards to carry or track
 - Universal Key Set
 - ✓ Foreign Interoperability: Coalition, NATO, National and CCEB
- Small and Portable unit weighing only 1.2 lbs.
- Comes Standard with Red and Black Serial Adapters to support Data Communications
- No periodic battery replacements are required
 - ✓ Lower life cycle costs and simplified logistics support

If you already own an OMNI Secure Terminal you can upgrade your OMNI to an OMNIxi for \$595 using the OMNIxi software upgrade package



software upgrade

➔

OMNI^{xi}
SECURE TERMINAL™

High Quality Voice
v.90Modem
2Mbps Digital Data
Digital Voice

Note: (*) Pricing has been lowered in accordance with the IDIQ contract to \$1,495 for OMNI and \$2,090 for OMNIxi based on strong customer interest resulting in current orders exceeding the 2,000 cumulative IDIQ contract requirement.

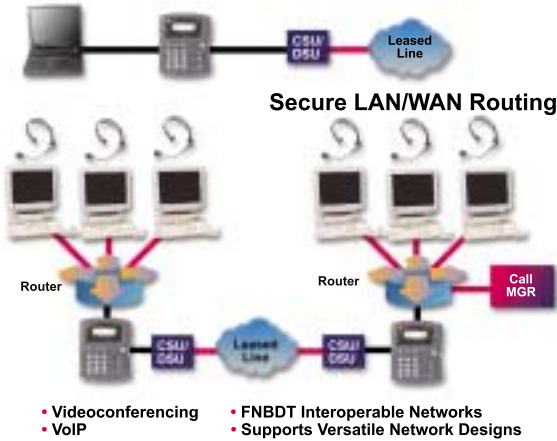
DIGITAL & ANALOG

OMNI **xi**

SECURE TERMINAL TM

Digital Data

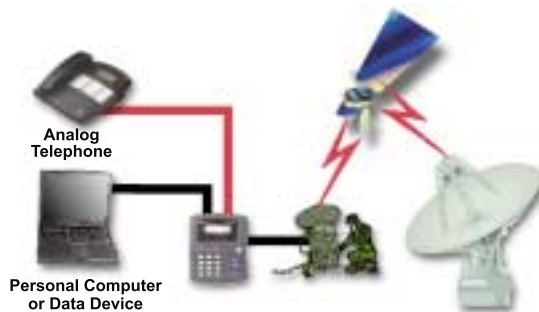
Serial Encryptor



Digital Data and Voice



Digital SATCOM



OMNIxi and Kiv-7XX Comparison

	OMNI	Kiv-7XX
Interoperability:		
Wireless (GSM/CDMA)	Yes✓	No
STE	Yes✓	No
FNBDT Devices	Yes✓	No
KG-84A/C	No	Yes
Modes of Operation:		
Analog Voice	Yes✓	No
Analog Modem	Yes✓	No
Digital Voice	Yes✓	No
Digital Data	Yes	Yes
Data Rates:		
Analog		
v.90 Modem up to 56 Kbps*	Yes✓	No
Sync 28.8Kbps	Yes✓	No
Digital		
Up to 2.048Mbps	Yes	Yes
Key Material:		
FIREFLY	Yes✓	No
TEK (Pre Position Key)	No	Yes
Automatic Updates	Yes✓	No
Multi Universal Key Set (NATO/Coalition/CCEB/National)	Yes✓	No
Logistics:		
Periodic Battery Replacement	No✓	Yes
Field Software Upgradable	Yes✓	No
Weight	1.2 lbs.✓	3 lbs.
Cost:	Lowest ✓	Highest

✓The OMNI Advantage. * -Actual speeds may vary

OMNI and OMNIxi Capabilities and Output Characteristics

Capability	OMNI	OMNI <i>x</i> <i>i</i>	Output Characteristics			
			Coding	Framing	Data Link	Network
Secure Voice	Yes	Yes	MELP Blank & Burst	V.14	V.32	PSTN
			G.729 Annex D	V.14	V.32	PSTN
		Yes	MELP Blank & Burst	None Async: V.14	EIA-232E/530A Sync: 2.4 Kbps Async: 4.8 Kbps min	Digital
			G.729 Annex D	Sync: V.14 Async: V.14	EIA-232E/530A Sync: 9.6 Kbps Async: 9.6 Kbps min	Digital
Non-Secure Voice	Yes	Yes	Analog Bypass Mode			PSTN
		Yes	MELP Blank & Burst	None Async: V.14	EIA-232E/530A Sync: 2.4 Kbps Async: 4.8 Kbps min	Digital
			G.729 Annex D	Sync: V.14 Async: V.14	EIA-232E/530A Sync: 9.6 Kbps Async: 9.6 Kbps min	Digital
Secure Data (Async)	Yes	Yes	Reliable Transport	V.14	V.90 Up to 56Kbps	PSTN
		Yes	Reliable Transport	V.14	EIA-232E/530A Async: Up to 115 Kbps	Digital
Secure Data (Sync)	Yes	Yes	L-3 Guaranteed Throughput	None	V.90 up to 28.8 Kbps	PSTN
		Yes	Full Bandwidth	None	EIA-232E/530A Sync: Up to 2.048 Mbps	Digital
Non Secure Data			Not Supported			



communications

Communication Systems-East

For Additional Information Contact:

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Specifications subject to change