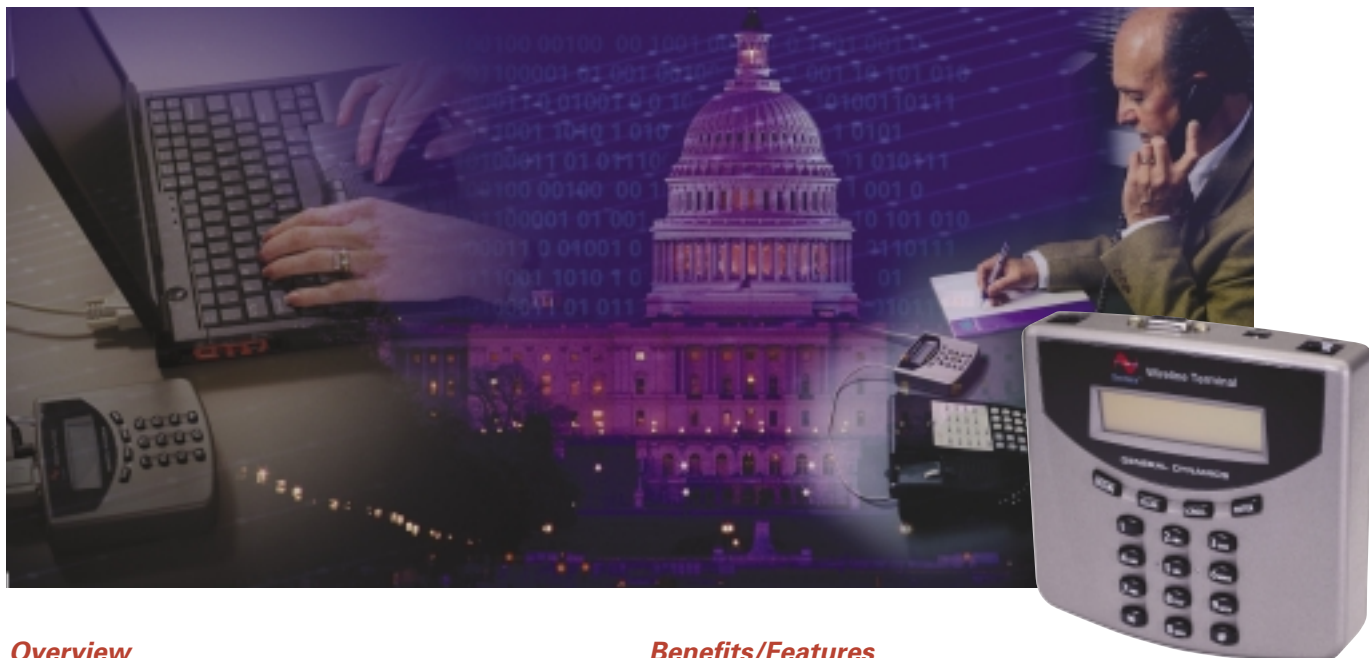


Sectera™ Wireline Terminal (Type I)

Information Assurance for Voice and Data Communications.



Overview

The Sectera™ Wireline Terminal is a software architected solution capable of encrypting both voice and data. A compact, lightweight device, it interfaces simply with standard analog desktop handsets or attaches to a personal computer. It also provides secure voice communications for calls placed from Sectera Secure Wireless Phones for GSM to analog desk phones. The small footprint allows it to be used in a stationary environment with minimal space, or as a portable device easily transported to remote or temporary locations.

The Sectera Wireline Terminal provides U.S. Type 1 National Security Agency (NSA) Certified encryption up to Top Secret level, using Type 1 encryption algorithms available to U.S. Government personnel.

Moderately priced, the Sectera Wireline Terminal enables more users to implement the security they should be using, but could not previously afford. Its simple operation makes secure calling virtually transparent, and improved technology offers voice quality equal to that of a call in the clear.

Benefits/Features

- Incorporates the Sectera Architecture with Future Narrow Band Digital Terminal (FNBDT) Signaling for Secure Wireless and Wireline Interoperability
- Provides Secure Voice, Secure Data and Clear Data Modes
- Provides U.S. Type 1 NSA Certified Encryption
- Interoperability between Type 1 and Commercial AES General Dynamics Products
- Software Upgradability Allows Users to Incorporate Latest Enhancements
- Small Size and Light Weight Provides Portability
- A Standard 56 KB Modem Provides Enhanced Data Rates
- Contains Security and Authentication Display and Voice Prompts to Assist with Security Set Up
- Includes Standard AT Command Set, Secure Access Control, Access Control List and Secure Dial
- Access is via Pin, with Support for Multiple Users
- Supports U.S. Crypto Modernization
- Provides a Transition from STU-III/Sectel® 9600 to FNBDT Standards

GENERAL DYNAMICS
Decision Systems

Sectéra Wireline Terminal (Type 1)

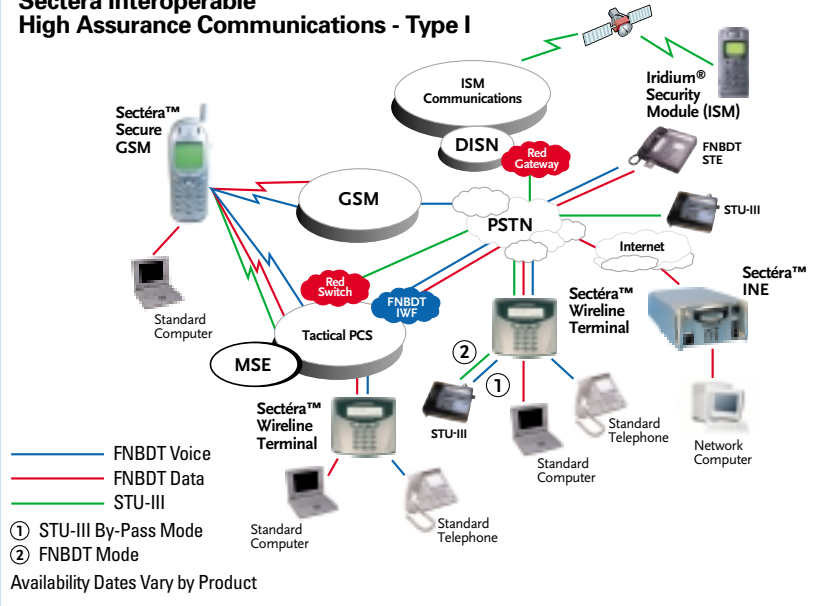
Technical Specifications

Interoperable Security Architecture

Key to the success of the Wireline Terminal is the Sectéra Interoperable Security Architecture upon which it is built. The Sectéra architecture provides the following key benefits:

- Device Independence Enables Interoperable Security Between Virtually any Wireless and Wireline Device Incorporating FNBDT Signaling
- Platform Independence (via FNBDT) Enables Interoperable Security between Vendor Products
- Application Independence Enables Integrated Information Assurance for Voice, Data, Networks and PKI
- Supports U.S. Government Type 1 Security
- Fully Software Programmable KG with Software Update Capability

Sectéra Interoperable High Assurance Communications - Type I



Sectéra Wireline Terminal Specifications

Size:

Width	5.0 in.
Height	1.3 in.
Depth	4.6 in.
Weight	10 oz.
Volume	30 cu in.

Interfaces:

RS232	9 Pin RS232
PSTN	RJ11
Phone	RJ11

Power:

	110 to 220 VAC
	9-30 VDC (Optional DC/DC Adapter)
	< 5 Watts

Modem:

	V.34/V.90
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Data Rates:

	Asynchronous Up to 56,000 BPS*
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Speech Processing:

Toll Quality (6.4 Kbps)	G.729D
2400 BPS	MELP

Temperature:

Operational	0° C to + 50° C
Storage	- 30° C to + 80° C

Secure Dial:

Transmit/Receive	Yes
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Approvals:

Connection (Telecom)	FCC Part 68 (US), CTR21 (EU)
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Safety	UL 1950, ENC60950, IEC950
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EMI/EMC	FCC Part 15 subpart J, Class B EN55022 EN50082-1
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ETL is an independent testing house for UL certification.

GENERAL DYNAMICS