

Wireline Terminal (Type 1)

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 phones, fax machines or personal computers. 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.

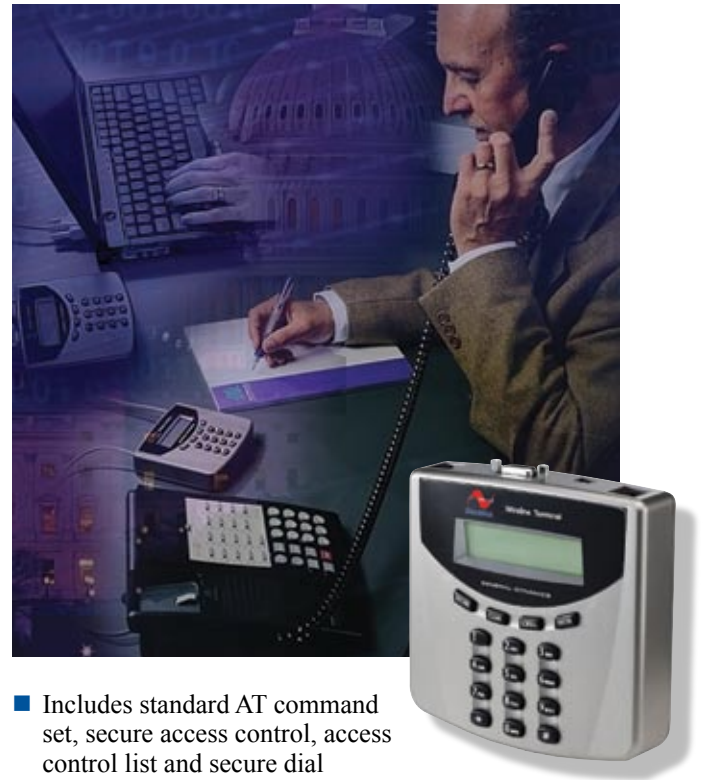
The Sectera Wireline Terminal is NSA Certified to protect information classified Top Secret and below using Type 1 encryption algorithms.

The Military Committee for the NATO Communications and Information Systems Security and Evaluation Agency (SECAN) has approved the Sectera Secure Wireless Phone for GSM and Sectera Wireline Terminal for the encryption of all levels of NATO classified information.

Its simple operation makes secure calling virtually transparent, and improved technology offers voice quality equal to that of a non-secure call.

Benefits/Features

- Incorporates the Sectera architecture with Secure Communications Interoperability Protocol (SCIP) signaling for secure wireless and wireline interoperability
- Provides secure voice, secure data and non-secure data modes
- Provides U.S. Type 1 NSA-certified encryption
- Interoperability between Type 1 and General Dynamics' TalkSECURE™ Wireless and Wireline products
- Software upgradability allows users to incorporate latest enhancements
- Small size and light weight provide portability
- A standard 56 KB mode 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 to SCIP standards

Interoperable Security Architecture

Key to the success of the Wireline Terminal is the Sectera interoperable security architecture upon which it is built. The Sectera architecture provides the following key benefits:

- Device independence enables interoperable security between virtually any wireless and wireline device incorporating SCIP signaling
- Platform independence (via SCIP) 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

GENERAL DYNAMICS

Wireline Terminal (Type 1)

Sectéra®/TalkSECURE™ Interoperable End-to-end Secure Voice/Data Communications



Sectéra Wireline Terminal Specifications

Size

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

Black Interfaces

- PSTN: RJ11

Red Interfaces

- Phone: RJ11
- RS232: 9 Pin RS232

Power

- AC Power: 110 to 220 VAC (< 6 Watts)

Modem

- V.32/V.34/V.90

Data Rates

- Up to 56,000 BPS*

Speech Processing

- Toll Quality:
 - 6.4 KBPS — G.729D
 - 2400 BPS — MELP

Environment

- Tested for Thermal Shock, Vibration, Shock and Temperature**
- Operational: 0° C to 50° C (32° F to 122° F)
- Storage: -20° C to 70° C (-4° F to 158° F)

Secure Dial

- Transmit/Receive: Yes

Approvals

- TSG and TEMPEST Approved
- Connection (Telecom):
 - ANSI/TIA-968-A-2002 (US) CTR21 (EU)
 - IS CS-03, Issue 8 (Can)
 - AS/ACIF S002:2001 (AUS)
 - PTC200: ISS2 (NZ)
- Safety:
 - UL 60950, EN60950, IEC60950
- EMI/EMC:
 - FCC Part 15 subpart B, Class B
 - EN55022/EN55024

* When other end is attached to a secure digital link.

** See www.gdc4s.com/secureproducts for more details.



ETL is an independent testing house for UL certification.

GENERAL DYNAMICS
C4 Systems

Secure Communications: We Bring You What's Next

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