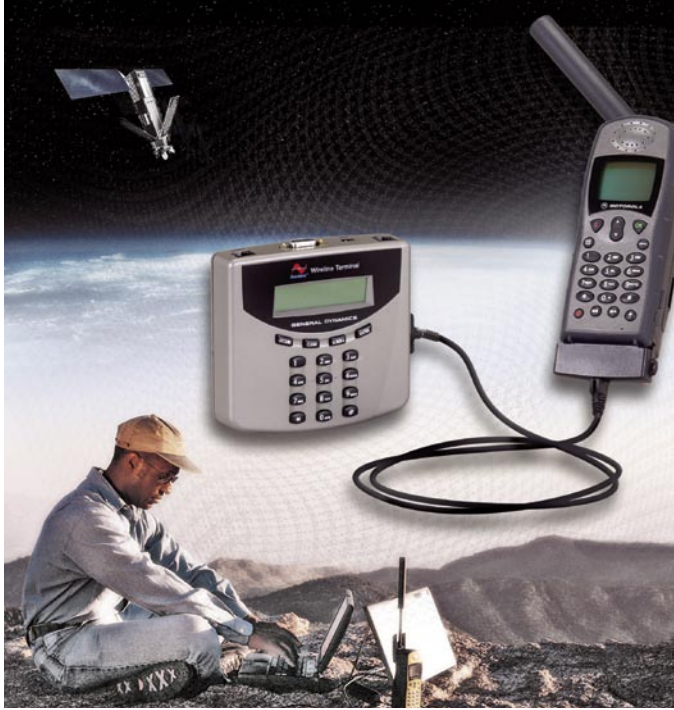


# TalkSECURE™ Digital



Satellite phone not included.

## End-to-end Voice and Data Security for Digital Communications

Analog or digital encryptor for voice, data, and fax

Advanced Encryption Standard (AES) to protect sensitive and confidential communications

Secure communications for Iridium®, Inmarsat®, Globalstar and Thuraya satellite phones

High quality voice for secure and non-secure calls

## Overview

When high assurance secure communications are required in remote areas where terrestrial communications are not available, TalkSECURE™ Digital provides end-to-end voice and data security for digital communications.

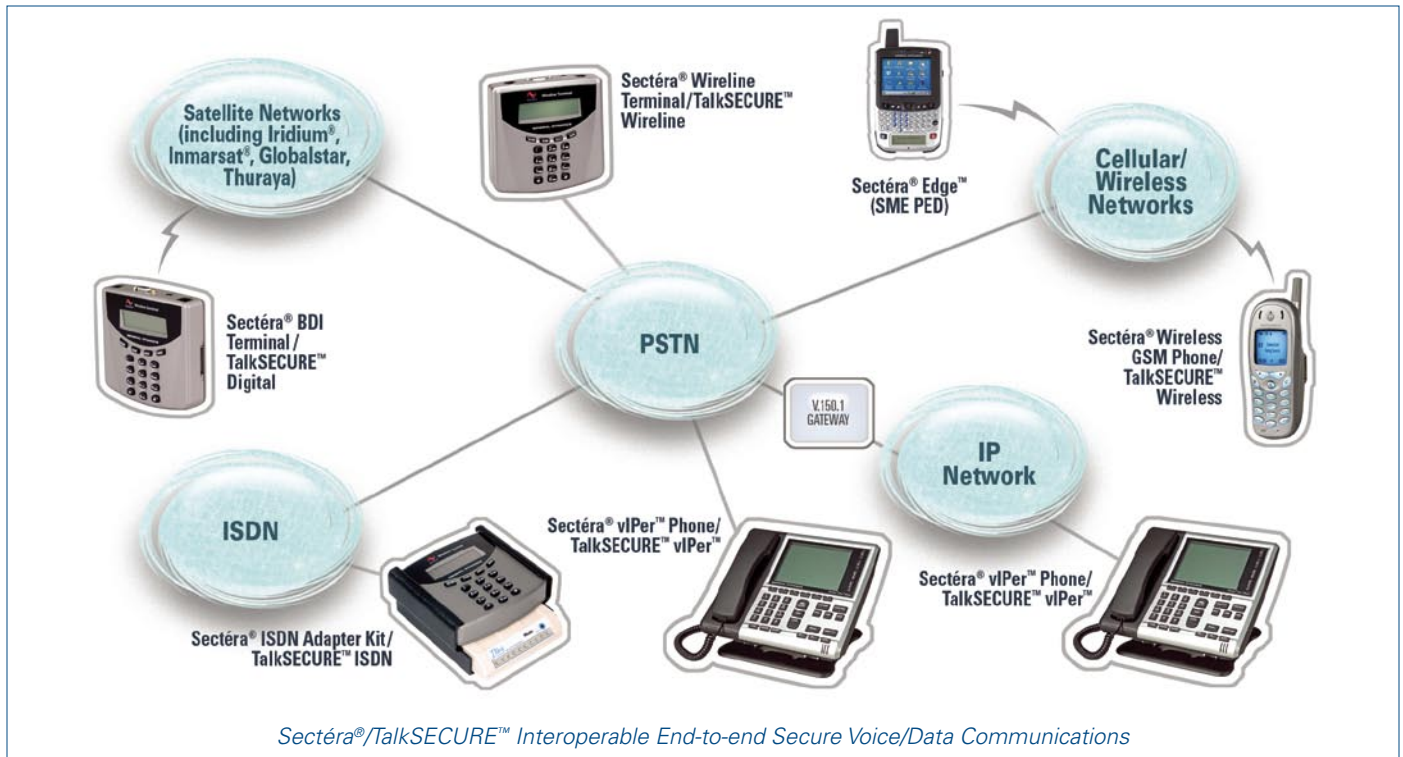
TalkSECURE Digital protects communications for a variety of satellite applications, including Iridium®, Inmarsat®, Globalstar and Thuraya satellite phones. The terminal has also been enhanced to provide secure data rates up to 128 Kb/s over landline digital networks when connected to an ISDN adapter and secure documents sent via a standard commercial fax machine. Additionally the terminal can be used to secure voice and data for mobile phones and other AT-compatible communication devices.

TalkSECURE Digital complements the Sectera® portfolio of secure interoperable wireless and wireline products, providing voice and data encryption for government, business and international users over a multitude of digital circuits.

## Features at a Glance

- Incorporates Sectera architecture with SCIP signaling for secure wireless and wireline interoperability
- Secure interoperability with TalkSECURE Wireless and Wireline products for SBU (Sensitive But Unclassified) and Homeland Security applications
- Secure interoperability with Sectera Type 1 Wireless and Wireline products
- Export controls fall under the jurisdiction of the U.S. Department of Commerce
- Software programmable and software upgradable to incorporate the latest enhancements
- Small, portable, compact and lightweight
- Security/Authentication display and voice prompts assist with security set up
- Group Keys can be generated and loaded to restrict communications to defined groups of users





## Sectéra BDI Terminal Specifications

### Motorola Iridium Portable Satellite Phones Supported

9500, 9505, 9505A, 9522

### Size

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

### Black Interfaces

- PSTN: RJ11
- RS530/RS232: 25 Pin Custom

### Red Interfaces

- Phone: RJ11
- RS232: 9 Pin RS232

### Modem

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

### Power

- AC Power: 110 to 220 VAC
- DC Power: 9 VDC +/- 5% (< 6 Watts) (supplied by battery pack)

### Black Analog Data Rates

- Up to 56,000 BPS\*

### Black Digital Data Rates

- Up to 128 Kb/s (depending on underlying network)

### 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



ETL is an independent testing house for UL certification.

\* When other end is attached to a secure digital link.  
 \*\* See [www.gdc4s.com/secureproducts](http://www.gdc4s.com/secureproducts) for more details.

## GENERAL DYNAMICS

C4 Systems

*Secure Communications: We Bring You What's Next*

INFOSEC 77 A Street, Needham, MA 02494-2806 USA • [www.gdc4s.com/secureproducts](http://www.gdc4s.com/secureproducts)

Phone: 781-455-2800 • Toll-free: 888-Type1-4-U (888-897-3148) • Fax: 781-455-5555 • E-mail: [infosec@gdc4s.com](mailto:infosec@gdc4s.com)

