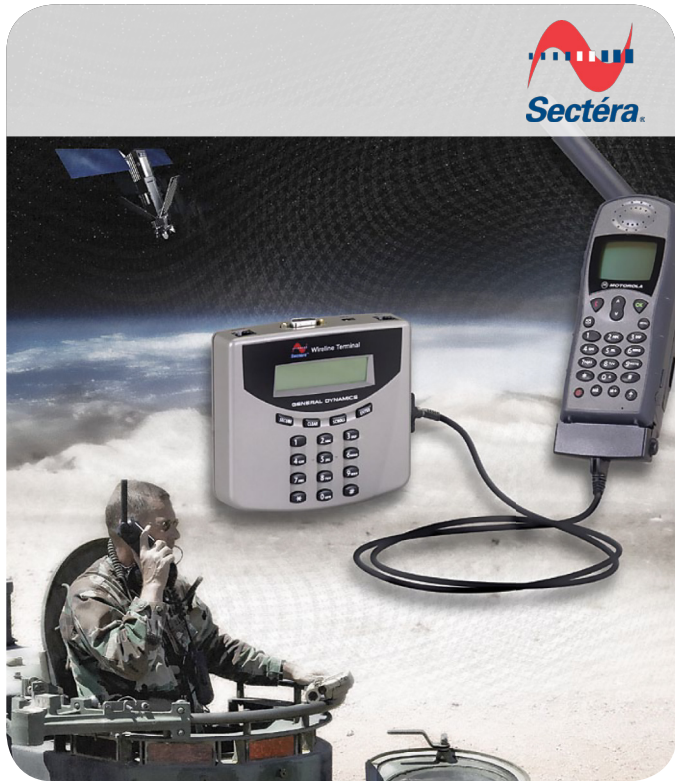# Sectéra® BDI Terminal (Type 1)

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

*Secure Voice and Data Communications
via Satellite, Phone, Fax and PCs*

Analog or digital encryptor
for voice, data, and fax

NSA certified for Top Secret
codeword and below

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

High voice quality for secure
and non-secure calls

Overview

When high assurance secure communications are require in remote areas where terrestrial communications are not available, the Sectéra® BDI (Black Digital Interface) Terminal provides end to-end voice and data security for digital communications.

Sectéra BDI Terminal 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 to secure classified documents sent via standard commercial fax machines. Additionally, the terminal can be used to secure voice and data for mobile phones and other AT-compatible communication devices.

The Sectéra BDI Terminal complements the Sectéra portfolio of secure interoperable wireless and wireline products, providing Type 1 voice and data encryption for authorized U.S. government personnel over a multitude of digital circuits.

Features at a Glance

- Incorporates Sectéra architecture with SCIP signaling for secure wireless and wireline interoperability
- Secure interoperability with Sectéra Type 1 Wireless and Wireline products
- Secure interoperability with TalkSECURE™ Wireless and Wireline products for SBU (Sensitive But Unclassified) and Homeland Security applications
- Software programmable and software upgradeable to incorporate the latest enhancements
- Small, portable, compact and lightweight
- Security/Authentication display and voice prompts assist with security set up

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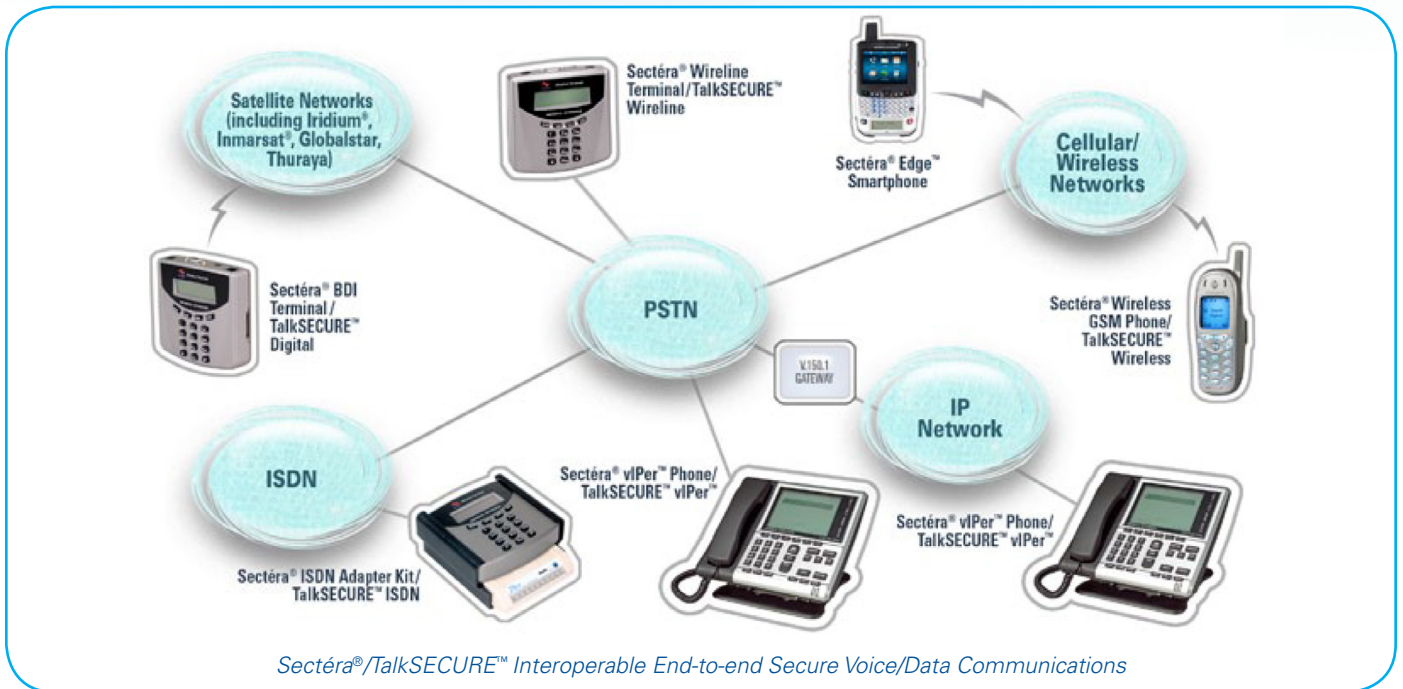
Sectéra BDI Terminal Specifications

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

CE   c(UL)us LISTED   (ETL)us

ETL is an independent testing house for UL certification.

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: 0º C to 50º C (32° F to 122° F)
- Storage: −20º C to 70º 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
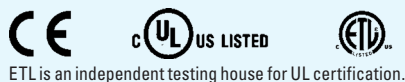
* When other end is attached to a secure digital link.
** See www.gdc4s.com/secureproducts for more details.

GENERAL DYNAMICS
Mission Systems

SUPPORT • 877-230-0236 • SUPPORT • 410-850-4093
24·7

gdmissionsystems.com/cyber • infosec@gd-ms.com

Phone: 781-410-9400 • Toll-free: 888-Type1-4-U (888-897-3148) • Fax: 781-410-9863

D-SDT-03-1115