

Secure Wireless Phone for GSM®

End-to-end voice security for commercial GSM wireless networks



The Sectera™ Secure Wireless Phone for GSM provides end-to-end high assurance secure voice communications for commercial GSM wireless networks operating in the 900/1800/1900 MHz bandwidths worldwide. The Sectera Secure Wireless Phone can also be used as a regular wireless phone in the U.S. and abroad, and provides secure voice communications with the Sectera Wireline Terminal connected to an analog desktop phone. GSM (*Global System for Mobile Communications*) is a leading worldwide wireless telecommunications technology.



The National Security Agency (*NSA*) has certified the secure phone's ability to protect classified information up to the Top Secret level using the Type 1 encryption algorithms available to authorized U.S. Government personnel.

The Sectera Secure Wireless Phone for GSM consists of:

- A state-of-the-art commercial Motorola Timeport™ GSM tri-band phone
- The Sectera clip-in Secure Module that provides Type 1 high assurance end-to-end security

The phone offers all the features and convenience that users have come to expect in a commercial GSM wireless phone, including:

- Small size
- Long battery life
- Web browsing
- Hands-free accessories
- Caller ID and missed call indicator
- High quality voice (*both regular and secure calls*)
- GPRS data services (*General Packet Radio Service*)



Secure Wireless Phone for GSM[®] (Type 1)

The Sectéra Secure Wireless Phone for GSM is available with multiple key-sets to support U.S. Government sponsored interoperability (*NATO and coalition*) as well as commercial and international users. The phone complies with U.S. Government sponsored Future Narrow Band Digital Terminal (*FNBDT*) standards and will securely interoperate with other FNBDT-compatible devices including the Sectéra Wireline Terminal connected to a desktop phone or personal computer (*future data communications*).

The Motorola Timeport Phone

- Tri-band technology for GSM 900/1800/1900 MHz networks
- Roaming
- One-touch/speed/voice-activated dialing
- WAP 1.1 enabled Microbrowser
- GPRS (*General Packet Radio Services*)
- VoiceNote™ voice recorder
- 500 phonebook and 500 calendar entries with alarm
- Calculator and currency converter
- VibraCall® alert for discrete incoming call notification
- iTAP™ predictive text entry
- 32 preset and 32 customizable alert tones
- Multiple connectivity solutions (*IrDA®, RS-232, USB*)
- Circuit data/fax (*14.4 Kbps*)
- Two-way SMS (*Short Message Service*) messaging
- Integrated Headset Jack
- Accessories available for hands-free kits, carrying cases, belt clip, desktop and travel chargers



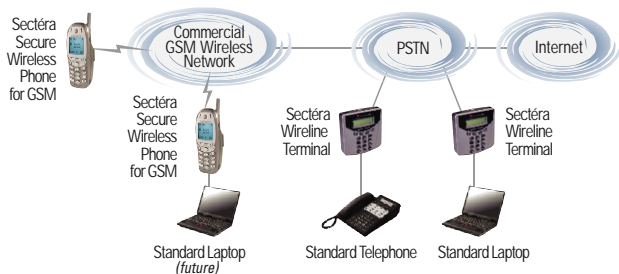
Physical Characteristics

Batteries (*Li-Ion*)..... 800 mAh
Talk Time..... Up to 259 minutes
Secure Talk Time..... >2 hours
Weight..... 119 g.
Volume..... 105 cc.

Users contact their GSM wireless network provider to subscribe to GSM service to activate their phone by ordering

- A primary voice phone number to place and receive regular wireless phone calls
- A second phone number for secure encrypted phone calls using 9600 BPS asynchronous transparent circuit switched data service, with mobile originate (*MO*) and mobile terminate (*MT*).

Sectéra Secure Wireless/Wireline Communications



The Sectéra clip-in Secure Module

- End-to-end security using Type1 encryption
- Interoperability with
 - Sectéra Secure Wireless Phones
 - Sectéra Wireline Terminals connected to an analog desktop phone
 - FNBDT-compatible devices
 - TalkSECURE™ Wireless and Wireline products designed for government, business and international users
- RED data port provides
 - EKMS keying using DTD or KSD fill devices
 - Secure software upgrades
 - Future secure data applications
- International Telecommunications Union (*ITU*) standard toll quality speech compression algorithm (*G.729 Annex D, 6.4 Kbps*)

Future Software Upgrades

- Secure data
- Electronic re-key with CKL
- Secure dialing to support interfaces to RED switches

For more information call: 1-800-972-0068 or visit: www.gd-decisionssystem.com/sectera

GENERAL DYNAMICS
Decision Systems

8220 E. Roosevelt Street, M/D R-6206, Scottsdale, AZ 85257
Email: sectera-info@gd-decisionssystem.com • Fax: (480) 441-2515