Secure Wireless Phone for GSM®

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

The Sectéra® Secure Wireless Phone for GSM provides end-to-end high assurance secure voice and data communications for commercial GSM wireless networks operating in the 900/1800/1900 MHz bandwidths worldwide. The Sectéra Secure Wireless Phone can also be used as a regular wireless phone in the U.S. and abroad, and provides secure voice and data communications with the Sectéra 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 information classified Top Secret and below using Type 1 encryption algorithms available to authorized U.S. Government personnel.

The Sectéra Secure Wireless Phone for GSM consists of:

- A state-of-the-art commercial Motorola Timeport™ GSM tri-band phone
- The Sectéra 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)

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 Secure Communications Interoperability Protocol (SCIP) standards and will securely interoperate with other SCIP-compatible devices including the Sectéra Wireline Terminal connected to a desktop phone or personal computer.

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

Users contact their GSM wireless network provide subscribe to GSM service to activate their phone by ordering
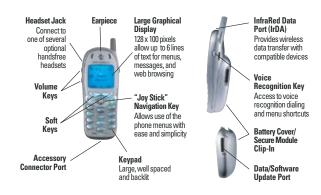
- A primary voice phone number to place and receive regular wireless phone calls
- A second phone number for secure encrypted phone calls using 9600 BPS asynchronous transparent circuit switched data service, with mobile originate (MO) and mobile terminate (MT).

GENERAL DYNAMICS

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

Headset Jack
Connect to one of several optional handsfree headsets

Earpiece

Large Graphical Display
128 x 100 pixels allow up to 6 lines of text for menus, messages, and web browsing

InfraRed Data Port (IrDA)
Provides wireless data transfer with compatible devices

Volume Keys

"Joy Stick" Navigation Key
Allows use of the phone menus with ease and simplicity

Voice Recognition Key
Access to voice recognition dialing and menu shortcuts

Soft Keys

Battery Cover/ Secure Module Clip-In

Accessory Connector Port

Keypad
Large, well spaced and backlit

Data/Software Update Port

Physical Characteristics
- Batteries (Li-Ion): 800 mAh
- Talk Time: Up to 259 minutes
- Standby Time: >150 hours
- Secure Talk Time: >2 hours
- Weight: 119 g.
- Volume: 105 cc.

Sectéra Secure Wireless/Wireline Communications

Sectéra Secure Wireless Phone for GSM → **Commercial GSM Wireless Network** → **PSTN** → **Internet**

Sectéra Secure Wireless Phone for GSM
Sectéra Wireline Terminal
Sectéra Wireline Terminal

Standard Laptop   **Standard Telephone**   **Standard Laptop**

The Sectéra clip-in Secure Module

- End-to-end security using Type 1 encryption
- Interoperability with
    - Sectéra Secure Wireless Phones
    - Sectéra Wireline Terminals connected to an analog desktop phone
    - SCIP-compatible devices
    - TalkSECURE™ Wireless and Wireline product designed for government, business and international users
- RED data port provides
    - EKMS keying using DTD or KSD fill devices
    - Secure software upgrades
    - Secure data applications
- International Telecommunications Union (ITU) standard toll quality speech compression algorithm (G.729 Annex D, 6.4 Kbps)
- Enhanced security with CKL (Compromised Key List) exchange
- Electronic Re-Key
- Secure dialing to support interfaces to RED switches

GENERAL DYNAMICS
C4 Systems

Secure Communications: We Bring You What's Next

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