

SnapBlue



Snapblue leverages the widespread deployment of Bluetooth technology to offer a communication security solution that enjoys military-grade encryption, ease-of-use and complete caller discretion.

Snapblue comprises a Bluetooth-enabled mobile terminal designed to resemble a commercial-off-the-shelf (COTS) mobile phone. The Snapblue terminal includes high-speed encryption engines and is equipped with a small LCD monitor, full keypad and an address book for callers requiring encrypted calls.

Used in conjunction with any Bluetooth-enabled mobile phone, a call is placed on the Snapblue terminal, encrypted and routed via the mobile phone. From this point forward the mobile phone is able to transmit encrypted calls over the network allowing the end-user to enjoy discreet and seamless secure communication.

Snapshield's Solutions

Snapblue can be used on a standalone basis within the GSM network, allowing point-to-point encryption between calling parties using Snapblue Snapsoft or Snapcell. Snapblue can also be deployed as part of Snapshield's managed secure communication network solutions – Snapcorp and Snapshield.

Key Benefits

- Military-grade security (FIPS 140-2 level 2) Transparent and seamless user experience
- Support for CDMA and Quad-Band GSM
- Efficient implementation of encryption algorithms, minimal impact on battery life
- Support for Snapshield's patented point-to-multipoint technology
- Used on a standalone basis, or as part of managed secured network solution
- Secure address book detailing callers requiring encrypted calls
- Advanced management features
- Eliminates the need for an earpiece
- Fully functional phone integrated with any BUN Bluetooth mobile phone
- Separation of secure communications and address book from conventional calls
- Remote update and maintenance capability

Snapblue Features

- Highest Security Level (FIPS 140-2 Level 2)
- Data Security (SMS, Chat)
- Authentication and access control capabilities
- Audio and Visual notification of security level
- Remote update and maintenance capability
- External key management tool (Optional)
- Multi-User group authentication
- DTMF over secure channel
- Connects to all devices with Bluetooth DUN profile

Technical Specifications

Media Encryption	AES 128/192/256 bit key
Key agreement algorithm	Diffie-Hellman 1024/2048 bit key Elliptic Curve Diffie-Hellman using the NIST curves P-256, P-384 and P-521
Voice Compression	G.723.1 6.4 Kbps
Data Rate (Host to/from accessory)	88 Kbps
Bluetooth (BT) Profile	Dial Up Network (DUN)
Host connection	USB with special accessory
Dimensions	92 mm X 41 mm X 17.5 mm
Weight	59 g
Temperatures (Indoors)	Operation: 0 ° to +60° Storage: -20° to +70°
Devices Supported	Any device with BT DUN profile
LCD	Graphic type
Ringer	Buzzer and Vibrate
Phone book	Up to 100 secure contacts
Standards	Safety: CE/FCC Radio: CE/FCC Security: NIST FIPS 140-2



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