

Securing Mobile Communications

Providing Assured, Secure Access to Information and People On-the-Move



Today, flexible, cost-effective, and easy-to-use communications products are expected for use by all levels of government. Properly securing communications without hampering the speed and clarity of delivery is paramount for government users. General Dynamics C4 Systems builds and deploys secure, user-friendly, portable voice and data communication products suited for classified government use. Our expertise includes meeting requirements for encryption and security protections, high-quality voice digitization, secure call setup over low bandwidth links, and emerging secure wireless data protocols.

Secure Mobile Communications: Compact and lightweight devices that are easy to use and set up are ideal for securing communications on-the-move. General Dynamics provides a family of High Assurance IP Encryptors (HAIZE®) to satisfy the requirements of mobile communications.

Sectéra® wireless phones and devices provide secure voice and personal data communication needs over existing GSM, CDMA, VoIP, PSTN, ISDN and satellite networks worldwide. Sectéra products incorporate Secure Communications Interoperability Protocol (SCIP) signaling, provide interoperable secure communications across various domains, and are certified to protect information classified Top Secret through Sensitive But Unclassified. We have expanded our mobile product lines to include the Sectéra Edge™ Smartphone (SME PED), a wireless handheld device for secure voice, access to SIPRNET/NIPRNET, file viewing and instant messaging. The Sectéra Edge is a ruggedized device tested to handle the rigors of mobile communications.

At less than 5 pounds, the TAFLANE®-Micro is the smallest, lightest tactical In-line Network Encryptor (INE) for Type 1 security. The TAFLANE-Micro is ruggedized for tactical environments and can be used in strategic locations as well.

Featuring the General Dynamics TVE application, the TAFLANE-MultiBook secure laptop is currently being developed and will offer mobile users a secure platform for accessing, processing, protecting, and communicating information classified Secret and below using non-secure transport networks. For the first time, an industry standard COTS computer will integrate multiple security features such as Data-in-Transit (DIT), Data-at-Rest (DAR) and Multi-Level Computing.

General Dynamics C4 Systems is designing HAIZE technologies into small-form-factor wireless network communication interfaces suited for laptops and tablet PCs, such as the mobile version of our TVE Desktop. These interfaces will feature a robust design to

Available Today

Expertise in:

Securing Communication Protocols
Securing Handheld Devices (Programmability, Key Management, Agility, Multi-level, Tamper) Vocoders

Products:

Sectéra® Wireless GSM Phone
Sectéra Wireline Terminal
Sectéra Edge™ Smartphone (SME PED)
TalkSECURE™ Wireless
TalkSECURE Wireline
TVE Desktop, incorporating High Assurance Platform (HAP)-compliant technology
Windtalker Encryption Device

Technologies:

AIM/AIMII
NexCore
sCore Encryption Chipset

What's Next

Products:

NexCore Encryption Chipset
TAFLANE-MultiBook
TVE Laptop



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handle classified information up to Top Secret, and allow simultaneous crypto-segregated communications to several security domains.

General Dynamics also offers the TalkSECURE line of devices for secure but unclassified communications. TalkSECURE phones are used by homeland security, state, local, international, government and law personnel, and business customers. These phones include the same levels of robust security as the Sectera line, but utilize the Advanced Encryption Standard (AES) available for use worldwide.

General Dynamics C4 Systems' Windtalker Encryption Device (WED) secures wireless intercom systems used onboard U.S. Army and U.S. Navy helicopters. WED is capable of protecting secure conversations between air and ground crew members.

The system improves communications efficiency and air-crew safety by eliminating cord clutter. Crew members have greater freedom of movement by eliminating long communication tethers and visual signals used by personnel during ground-based, high-risk operations such as hot-refueling.

No matter where you are using these secure communication devices, you are never alone when you partner with General Dynamics to secure your critical information. With over 210,000 deployed National Security Agency (NSA)-certified voice and data encryptors worldwide, General Dynamics is committed to support our customers worldwide and offers 24/7 Help Desk support.

Family of Advanced Core Cryptographic Technologies (FAC²T): General Dynamics' mobile secure devices are powered by our Family of Advanced Core Cryptographic Technologies, a broad offering of embeddable cryptographic solutions that address a wide variety of product needs, including commercial-off-the-shelf (COTS)-based solutions for low size, weight, and power (SWAP) applications, Multiple Independent Levels of Security (MILS) solutions for embedded security applications, and customized solutions for high performance applications. Our FAC²T solutions are currently embedded in high assurance mobile communication devices for use by military and government personnel.

As part of FAC²T, NexCore, our highly robust security platform, takes advantage of the off-the-shelf capabilities of standard Digital Signal Processors and Field-Programmable Gate Arrays. This platform, when combined with our high-assurance security core, provides programmability and upgradeability for low-bandwidth, low-power, limited-number-of-channels communication needs, and either Type 1 NSA-certified or non-Type 1 AES embedded cryptographic solutions. NexCore is the foundation of General Dynamics' secure mobile personal communication products, increasing speed and using less power.



*Sectera® Edge™ Smartphone
(SME PED)*



*TACLANE®-Micro
(KG-175D)*



Sectera BDI with Iridium® Handset



TalkSECURE™ Wireless

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www.gdc4s.com/InformationAssurance

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