

## SOLUTION BRIEF

# SECURE & HARDENED MOBILE COMMUNICATIONS

The REDCOM Secure Client running on CIS Mobile's altOS solves numerous security challenges for mobile users in the government and military space. With this solution, a single mobile device grants users access to a complete set of secure communications – including voice, video, and chat – across multiple security clearance levels.

### *The Problem*

Dealing with multiple security enclaves in a mobile environment can be a challenge. Currently, users need one device for each security type (e.g. one for Secret, one for SBU, etc.), but managing multiple devices is costly and cumbersome. This often results in users defaulting to the least common denominator in order to communicate, which effectively defeats the purpose of security classifications in the first place.

### *The Solution*

REDCOM has teamed up with CIS Mobile to provide a secure solution from hardware to OS to communications software. The solution consists of the REDCOM Secure Client mobile app, which is deployed on the ultra-rugged Sonim XP8 smartphone running the altOS secure mobile platform. The combined product delivers the security needed to accomplish the mission on a single hardened phone designed for any environment. Everything from the hardware to the software is intuitive and built with military and government users in mind.

#### **The Software: REDCOM Secure Client**

- **Truly Secure.** Protect critical communications with REDCOM's FIPS 140-2 validated encryption, powerful 2048-bit RSA encryption, and 256-bit AES encryption for voice, video, and chat.
- **Easy to use.** The user interface focuses on human ergonomics and real-life workflows for maximum accessibility and security.

#### **The Operating System: altOS**

- **Secure Mode.** Strikes a balance between security and usability with a geofenced policy-controlled setting that locks down all radios, cameras, and microphones in the device – preventing their use anywhere near or inside designated facilities.
- **Secure Containers.** Each container operates as an isolated Android phone instance, yet the user can quickly switch between them with a fingerprint, PIN or passcode. The altOS platform allows a user to carry a single phone that allows for personal use as well as strictly controlled government use.
- **Easy Device Management.** The browser-based altOS management console lets you control and monitor all devices in real-time. Add, modify, and remove contains on-demand, without recalling user devices.

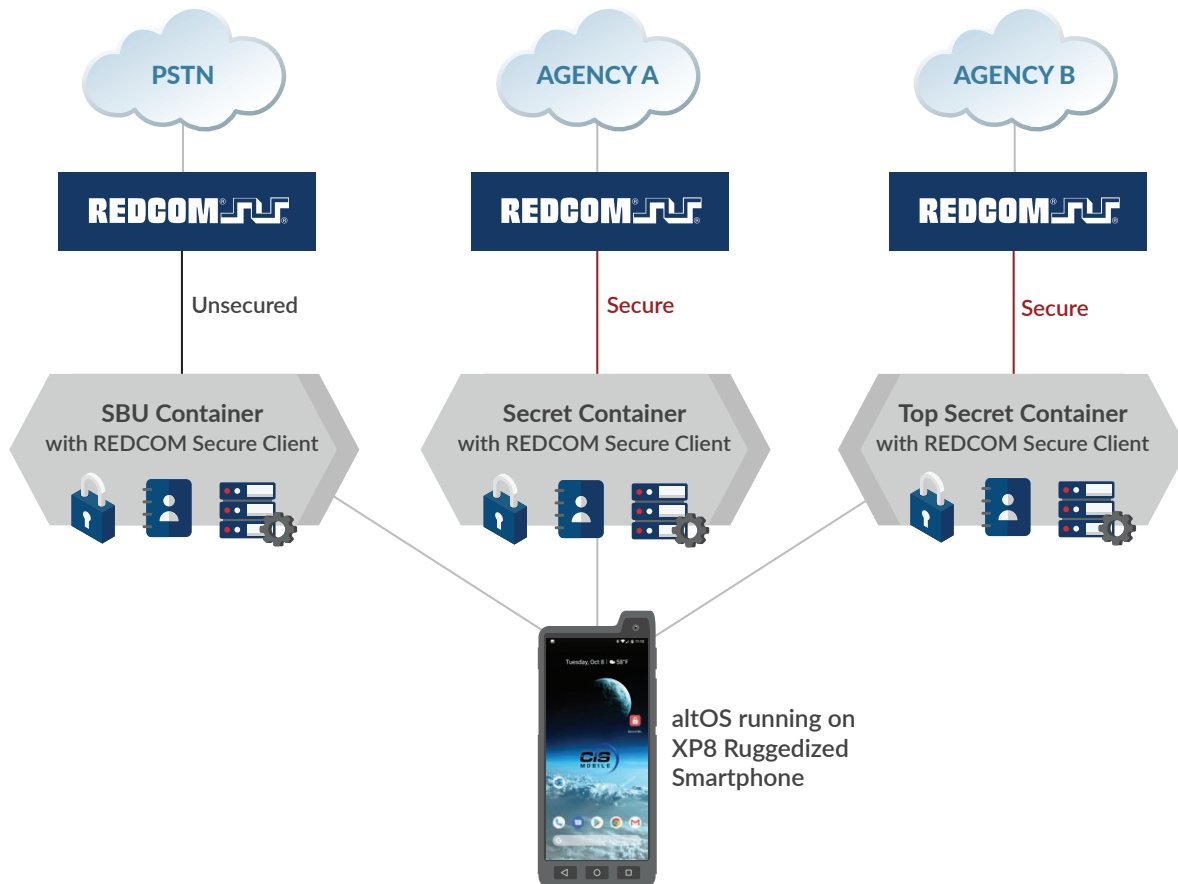


## The Hardware: Sonim XP8 ultra-rugged smartphone

- **Dedicated One-Touch PTT.** For quick emergency communication, plus the ability to power remote speaker microphones without additional batteries.
- **Industry-leading Rugged Performance Standards.** Military 810G, waterproof and Non-Incendive Class I, II, III, Div 2 ratings.
- **Loud and Clear Audio.** Hear clearly in the noisiest places and cancel background noise with 100dB+ speakers.
- **Physical buttons.** Access programmable buttons and applications in any condition with Gloved hand/Wet finger operation.

## SECURE MOBILE COMMUNICATIONS WITH REDCOM AND CIS MOBILE

A single smartphone with altOS can support multiple containers, each operating as an isolated Android phone instance. Every REDCOM Secure Client instance has its own PKI certificate, contact list, and provisioning setup.



Headquartered in the Washington, DC metropolitan area, CIS Mobile provides government users the ability and control to protect sensitive data on their mobile devices. CIS Mobile is a subsidiary of CIS Secure, a longstanding industry leader and global provider for designing and manufacturing secure communication and computing solutions for governments and enterprises. Learn more at [cismobile.com](http://cismobile.com)



For more than 40 years REDCOM has specialized in the development of advanced communication solutions with a focus on security, reliability, and interoperability. REDCOM's customers include all branches of the military, government agencies, emergency responders, and telecom service providers. All REDCOM products are proudly designed, built, and supported in the United States. Learn more at [redcom.com](http://redcom.com)