



SASERATALK DEFENSE



SECURE COMMUNICATIONS
WITH MOBILE DEVICES

SaseraTalk Defense

SaseraTalk Defense is a mobile communication solution combining multiple services such as telephony, instant messaging and file transfer with sophisticated security mechanisms to protect your organization's sensitive and classified information. SaseraTalk Defense transforms public networks and standard terminals into highly secure communication channels.

Targeted to government agencies, police and militaries, SaseraTalk Defense protects your operations by keeping communications secure and private. Members of your organization will be able to speak and exchange data with confidence, anywhere and anytime.

Traditional network based solutions used by governments and militaries are very expensive, complex to maintain and do not integrate well with standard wireless or wired communication devices, equipment and networks. The massive introduction of smartphone terminals and increasing mobility habits of

public forces and government officials demand a more effective solution to protect classified and top-secret communications. A strong security suite, easily integrated into existing smartphones and networks is the aim behind SaseraTalk Defense. The solution offering also contains special hardened devices to meet the highest security requirements, facilitating very flexible deployment options covering different end user needs and security levels.

SaseraTalk Defense provides a cost-effective solution that delivers high voice quality over multiple IP networks such as EDGE, UMTS, Wi-Fi or Satellite. Portable and tactical networks can be as well deployed on emergency or crisis missions and used with SaseraTalk Defense powered smartphones and computers securing all communications in the region and globally thanks to its double layer encryption architecture and its flexible deployment. We can customize on request the security parameters and algorithms embedded in the product.

Feature list

The following functionalities are available within SaseraTalk Defense

- Secure voice calls (VoIP)
- Secure conference calls
- Secure Chat/IM
- Secure SMS
- Secure group communication
- Secure file transfer (videos, pictures, audio messages and documents)
- Centralized contact, device and user management
- Secure container for user data with recovery mechanism (mobile device)
- Secure drive for user data on Windows (desktop client)
- External calls (trunking)
- Presence information
- Auto-destruction of messages
- Remote application wiping and user revocation or suspension
- Link quality indicator during calls
- Contact authorization control
- Collection of statistics and CDRs
- Cross platform, available for smartphones, computers and tablets
- Suitable for any IP access network

Security architecture

Security is applied to the communication between all components as well to the information exchanged end-to-end.

- Double layer security
- End-to-End encryption
- Fully deployable on customer premises and portable for tactical missions
- Available as a SaaS solution hosted in the **Swiss Fort Knox** data centre
- Key Agreement: Ephemeral Diffie-Hellman (EDH) with element validation and configurable primes
- Encryption ciphers: AES 256, Camellia (additional ciphers configurable)
- Hashing algorithms: SHA-2 and BLAKE
- Support for Hardware Security Modules (HSM) through a PKCS#11 interface
- Centralized security policies
- Multi-factor user authentication
- Dynamic re-keying during calls/sessions
- Protection against replay, dictionary and Man-In-The-Middle attacks
- Hardened mobile devices for the strongest security requirements
- Device authorization control for additional user protection
- Customization of security parameters and algorithms upon request

For further information, questions or sales inquiries please contact us:

Sasera AG
Industriestrasse 24
CH-6300 Zug (Switzerland)

Phone +41 41 500 25 25
Fax +41 41 500 25 26
info@sasera.ch

www.sasera.ch
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