Qtalk Defense

SECURE COMMUNICATION PLATFORM FOR MODERN GOVERNMENT NEEDS

Qtalk Defense is a secure platform that protects multiple communication services including voice, messaging and file transfer with a sophisticated security architecture designed and implemented by a team of specialized cryptographers. Qtalk Defense transforms public networks and standard terminals into highly secure communication channels.

Targeted to government institutions, public organizations, police, emergency and armed forces, Qtalk 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 hardware and network-based solutions used by governments and militaries are very expensive, complex to maintain and do not integrate well with modern wireless and wired communication devices and equipment. The massive introduction of smartphone terminals and wireless technologies, together with increasing mobility habits adopted by public servants and government officials demand a more effective solution to protect classified and secret communications.

A strong security suite, easily integrated into existing smartphones, computers and networks is the aim behind Qtalk Defense. The solution offering can also be combined with specialized hardened devices to meet the highest security requirements, facilitating flexible deployment options that cover different needs.

Qtalk Defense provides a cost-effective solution that delivers high voice quality over multiple IP networks such as EDGE, UMTS, WiFi or Satellite. Portable and tactical networks can be as well deployed on emergency or crisis missions and used with Qtalk Defense powered smartphones and computers securing all communications in a region or globally thanks to its modern architecture. Customization of the security parameters and algorithms embedded in the product can be considered on request.

Voice

Secure calls and conferences with end-to-end encryption and dynamic re-keying. Voice trunking interface to ensure interoperability with other communication systems in place.

Messaging

Instant messaging services with group functionality for secure communication and collaboration. Complemented by secure SMS when no data connection is available.

Files

Send pictures, videos, voice messages and documents from the application without leaking data in the end-user device. Keep them securely in a container and control their access.

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Security

All data exchanged and stored is protected by verifiable encryption technologies combined with sophisticated security mechanisms designed and implemented in Switzerland.

Centralized Management

Designed to fulfill the most strict security needs in public organizations, a management center provides access to all administration functions, including users, devices, policies and monitoring.

Advanced Architecture

Deployable on premises or in a cloud, Qtalk offers great flexibility and adapts seamlessly to different customer needs and environments with minimum impact.

Features

- Voice calls
- Conference calls
- External calls (trunking)
- Instant messaging
- Group messaging
- Secure SMS
- File transfer
- Message auto-destruction
- Call recording (optional)
- Centralized management

Security

- End-to-end encryption
- Secure container for DAR
- Centralized security policies
- Customizable crypto algorithms
- Dynamic re-keying during calls
- Remote wiping
- Device authorization control
- Restricted certificate validation
- Double encryption layer
- HSM integration (PKCS#11)

Why Qnective

- Specialists in cryptography
- Full control by the customer
- Flexible and scalable platform
- Suitable for cloud environments
- Deployable as SaaS
- White labeling and OEM variants
- Professional customer support
- Customization options
- Verifiable code (no back doors)
- Swiss made

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