

etaSuite Secure VoIP / etaCarina



There is more to communication security than encryption between mobiles.

etaCarina Secure PBX

Encrypting communication between mobile devices is essential, but what do you do if you need to reach your colleagues at the office? What if you want to dial a number in your home country's trusted telephone network when traveling abroad? What if you need to interconnect business branches securely?

etaCarina takes care of your communication security. It connects calls from secure and unsecure lines, switches Voice over IP calls to landlines and connects to your existing PBX taking care of all the required decryption and encryption.

Encryption

Encryption uses tap-proof ZRTP protocol with AES 256 cryptography and Diffie-Hellman key exchange which is also used by militaries and secret service agencies all over the world. Currently there exists no known successful attack on this encryption algorithm.

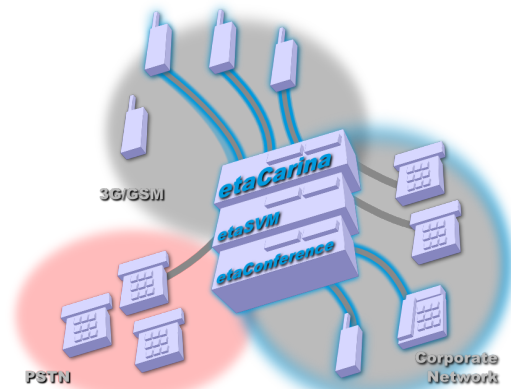
Security Terminates and switches ZRTP secured calls using AES 256 with Diffie-Hellman key exchange.

Classical PBX Features Call forwarding, queues, call groups, custom dial plans, outbound call generation and routing

Connectivity Supports various Voice over IP protocols, drivers for PSTN interfaces and devices (analog, ISDN, SS7)

Extendable

etaCarina can be extended with etaConference, a secure teleconference server, and etaSVM, Ethon's secure voice mail system.



etaCarina: The encryption core of etaSuite.

Call Switching Transcoding (conversion from one media format to another) and protocol conversion (conversion from one protocol to another) for all supported media and protocols.

Telephone User Interfaces Prerecorded voice prompts. Speech synthesis ("text-to-speech") and speech recognition in various languages and dialects are available optionally.



Highly Customizable Database, web service, and LDAP integration. External call management is available in various programming or scripting languages.

Computer Telephony Integration Event notification and CTI integration allows connection to etaDesk and other CTI applications.

Scalable etaCarina Servers can be deployed in clusters for scalability and availability. Each cluster node is able to handle up to 100 encrypted calls and up to 15 call attempts per second.

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)



Ignoring threats isn't security.

Protecting Your Secrets

Reliable, Matter-of-Factly, Discreet

Ethon is a German IT security solution provider. We are focused on encrypted communication and network security.

Who we are ...

It is our attitude to be reliable, straightforward, and discreet. Our results are not high-gloss management reports, but procedures and software provided to solve problems.

... and what we do

In 2005 Ethon started creating etaSuite – a suite of secure, encrypted Voice over IP products. etaSuite includes secure

a PBX, encrypted voice mail, conference servers, and secure mobile clients. Our special focus is the secure and tap-proof transmission of voice communications over unsecure, untrusted networks.

Ethon security consultants support our customers in securing their networks and hardening their IT infrastructure against threats ranging from hacking to physical attacks.

Our forensic team is deployed worldwide in post incident investigation and intelligence.

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