



PhoneCrypt D100

Secure Communication

PhoneCrypt solution suite is a dedicated Secure Voice over IP (VoIP) and Instant Messaging (IM) solution to ensure complete privacy for voice and IM communication for enterprise professional and organization. It comprises of front-end client solution and backend VoIP/IM system to provide a complete secure communication over IP network. It is designed with the true End-to-End encryption and rich features for secure voice call and instant messaging.

PhoneCrypt D100: a Secure Desk phone designed for office environment with a separate hardware element and anti-tampering protection. It connects to backend secure VoIP/IM system through RJ45 connection to the internet.

Both the Phonecrypt D100 and M100 will be connected to the secure backend VoIP/IM system which comprises of NetCrypt U1000 IP encryptor and PhoneCrypt server.



PhoneCrypt D100

Empowering thru' Innovation

Key Features

End to end secure voice conversation and instant messaging between the clients through the backend PhoneCrypt system.

Layer 3 IPSec security providing maximum security.

AES algorithm for data confidentiality, Secure Hash Algorithm (SHA) as well as Internet Key Exchange (IKE) protocols for integrity protection and user authentication.

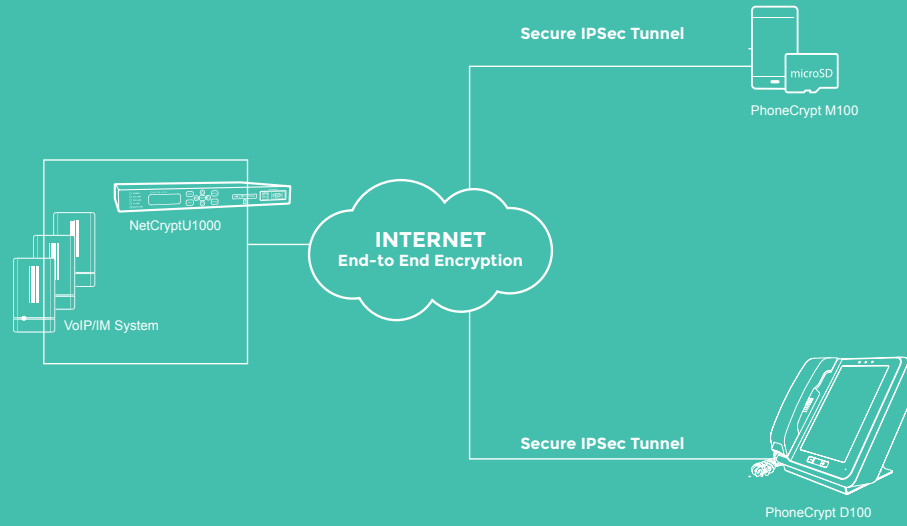
Excellent voice quality.

Easy installation and supporting dynamic IP addressing.

Plug-and-play unit provides greater convenience for travellers.

Back-end system also comprised of encrypted storage system for contacts. It protects confidential data against unauthorized access

Deployment Use Cases



Specifications PhoneCrypt D100

Network Interfaces	- External port: 1 x Ethernet RJ45 10/100 Mbps auto-sensing port
Network Features & Protocols	- IP Security/Encapsulating Security Protocol - Support Layer 3 encryption capability - IP Compression - QoS support - Traffic flow confidentiality
Authentication	- RSA Public Key Signature (up to 4096 bit)
Key Management	- Support Internet Key exchange (IKE v2) - DH supports up to 8192 bit - Supports ECDH (up to P-521 bit)
Encryption Algorithm/Modes	- AES-CBC (256 bit)
Hash Algorithm	- HMAC-SHA1 - HMAC-SHA2 (256, 384, 512 bit)
Hash Algorithm	Interfaces: - 10/100 Mbps Ethernet RJ45 (remote management and local configuration) - RS232 local console interface (DB9 to RJ45)
Management	Security/Configuration: - Extensive audit logging - Alarm detection and logging - SNMP v2c network management (operates with standard SNMP network management station) - Supports up to 3-factor authentication - 1 x Ethernet RJ45 10/100 Mbps auto-sensing port
Security Features	- Tamper-resistant chassis - Anti-tamper detection and response

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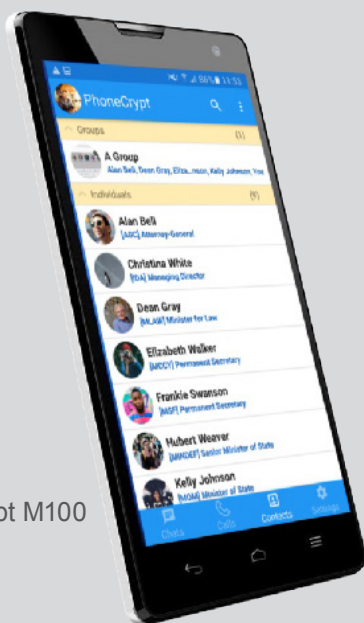
PhoneCrypt M100

Secure Communication

PhoneCrypt solution suite is a dedicated Secure Voice over IP (VoIP) and Instant Messaging (IM) solution to ensure complete privacy for voice and IM communication for enterprise professional and organization. It comprises of front-end client solution and backend VoIP/IM system to provide a complete secure communication over IP network. It is designed with the true end-to-end encryption and rich features for secure voice call and instant messaging.

PhoneCrypt M100: a Secure VoIP/IM Android application with secret credentials store in a cryptographic MicroSD card. It is designed for mobile user with Android smartphone and it connects to backend secure VoIP/IM system through 3G/4G/Wifi connection.

Both the Phonecrypt D100 and M100 will be connected to the secure backend VoIP/IM system which comprises of NetCrypt U1000 IP encryptor and PhoneCrypt server.



PhoneCrypt M100



Key Features

End to end secure voice conversation and instant messaging between the clients through the backend PhoneCrypt system.

Layer 3 IPSec security providing maximum security.

AES algorithm for data confidentiality, Secure Hash Algorithm (SHA) as well as Internet Key Exchange (IKE) protocols for integrity protection and user authentication.

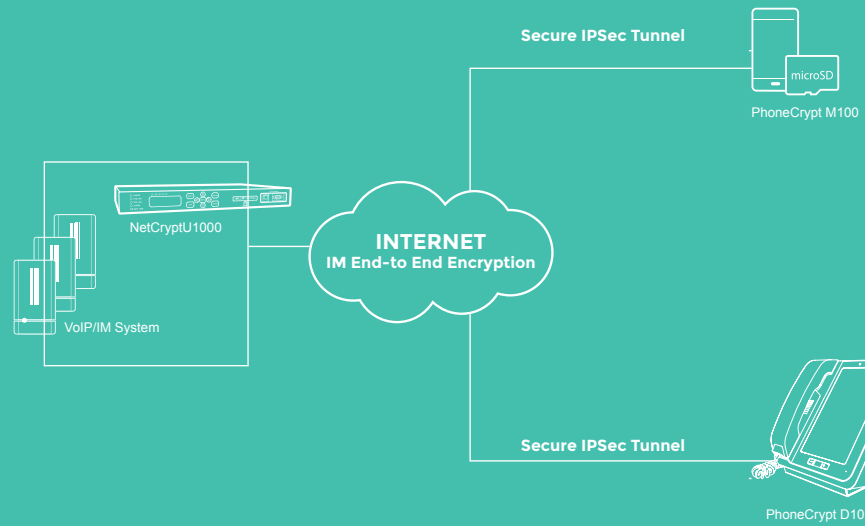
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Deployment Use Cases



Specifications PhoneCrypt M100

Supported Platform	- Android 5.0 and above with internal microSD slot
Network Features & Protocols	- IP Security/Encapsulating Security Protocol - Support Layer 3 encryption capability - IP Compression - QoS support - Traffic flow confidentiality
Authentication	- RSA Public Key Signature (up to 2048 bit)
Key Management	- Support Internet Key exchange (IKE v2) - DH supports up to 8192 bit - Supports ECDH (up to P-521 bit)
Encryption Algorithm/Modes	- AES-CBC (256 bit)
Hash Algorithm	- HMAC-SHA1 - HMAC-SHA2 (256, 384, 512 bit)
Security Features	- FIPS 140-2 certified cryptographic MicroSD card for key storage

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