GSMK CryptoPhone IP 20

Talking like eye to eye...

Secure desktop IP phone with end-to-end voice and message encryption and hardened operating system

TECHNICAL SPECIFICATIONS:

Secure calls: Secure end-to-end encrypted voice over IP calls • Strongest and most secure algorithms available today – AES256 and Twofish • 4096 bit Diffie-Hellman key exchange with SHA-256 hash function • Readout-hash based key authentication • Autonomous key generation, no pre-installed key material • Encryption keys securely and immediately erased from the device after each call.

Secure Messaging: Based on the same strong encryption algorithms used for GSMK CryptoPhone voice encryption – 4096 bit Diffie-Hellman initial key exchange, AES256 and Twofish message encryption with 256 bit keys.

Device Protection: Hardened Linux operating system with security-optimized components and communication stacks protects device against outside attacks.

Encrypted Storage: Encrypted storage system for contacts and messages protects data at rest against unauthorized access.

Compatibility: Fully compatible with all GSMK CryptoPhone IP secure mobile, desktop and satellite phones, including all GSMK CryptoPhone 400, 450, 500, 500i, 600 and IP19 series secure phones as well as GSMK CryptoPhone IP PBX Gateways.

Mechanical: 275x148/170/190x210 mm; weight - 1450 g.

Display: 5"/12,7 cm (800x480) clor TFT LCD, capacitive touch.

Keyboard: 15 programmable keys; 5-way navigation element, dial pad and 12 function keys (DND, volume, menu, mute).

Interfaces and power supply: Gigabit Ethernet interface (RJ-45) (Ethernet 10/100/1000 Base-T); External power supply (100-240V, 50/60Hz) (C13 connector with country-specific plug).

GSMK CryptoPhones are the only secure phones on the market with full source code published for independent security assessments. They contain no "proprietary" or "secret" encryption, no backdoors, no key-escrow; no centralized or operator-owned key generation, and require no key registration.

360° security - armored and encrypted

The CryptoPhone IP 20 comes with full source code available for independent review. Finally, you can perform an independent assessment to ensure that you can rely on strong encryption without any backdoors in the communications device that you entrust your security to. The GSMK CryptoPhone IP 20 enables you to put the trust where it belongs – in a trustworthy, open and scientific verification process.

GSMK CryptoPhone technology is based on well-researched algorithms for both encryption and voice processing. It features the strongest encryption available combined with key lengths that provide peace of mind today and in the future.

CRYPTOPHONE ™