The snom 870 CryptoPhone® Edition is a secure IP desktop phone for end-to-end encrypted voice over IP communications developed by GSMK in partnership with snom technology AG.

snom’s highly interoperable, functional desktop phones combined with GSMK’s military level encryption deliver seamless unified communications to corporations without compromising sensitive information. With phone fraudsters increasingly trying to access confidential data by listening in on communication over the phone, this solution will help businesses and governments neutralize outsider threats by providing 360 degree security.

The snom 870 CryptoPhone® Edition features a Gigabit Ethernet interface with an R45 plug. It uses the same encryption engine as GSMK’s secure mobile and satellite phones, featuring 256-bit AES and Twofish session encryption and a 4096-bit Diffie-Hellman key exchange, readout-hash based key authentication, and session keys that are newly generated for each call and destroyed after the call ends.

The snom 870 CryptoPhone® Edition is easy to use and easy to set up, using a large color touch screen display. Fully compatible with GSMK CryptoPhone® IP based mobile and satellite solutions, it offers the latest technology for reliable and secure end-to-end encrypted voice over IP communications.

The snom 870 CryptoPhone® Edition 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 snom 870 CryptoPhone® Edition enables you to put the trust where it belongs – in a reliable, open and scientific verification process.

Technical Data

**snom 870 CryptoPhone® Edition**

**DIMENSIONS & WEIGHT**
- 230 x 200 x 30 mm / 9.1 x 7.9 x 1.2 in., 690g / 1.5lbs without footstand (920g / 2.1lbs with footstand)
- black or light gray in color

**DISPLAY**
- 4.3-inch touch-sensitive TFT LCD screen with LED backlight @ 480 x 272, 16M colors

**CONNECTIVITY**
- RJ-4P4C headset connector

**POWER**
- IEEE 802.3ad, Class 1 Power over Ethernet or AC power 100 to 240 V, 50-60 Hz, 5V DC, 7 watts maximum operating power

**EMI/EMC & SAFETY APPROVALS**
- FCC Part 15 Subpart B Class B, CE
- IEC60950-1:2001 maximum operating power

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**End-to-end IP voice encryption**
- Easy to use, easy to install
- Gigabit Ethernet switch
- Compatible with Inmarsat BGAN satellite terminals