

# SECTRA Panthon 3 and 3.2

- EU classification: **RESTREINT UE/EU RESTRICTED**
- Manufacturer: Sectra Communication BV 
- National evaluator: [Netherlands National Communications Security Agency](#)
- Second party evaluator: [Agence Nationale de la Sécurité des Systèmes d'Information](#) 

SECTRA Panthon 3 and 3.2 allow users to make secure calls and send text messages up to and including the EU RESTRICTED security level. It is a hardware-based security solution, in the form of a MicroSD card, which is installed in a smartphone. The smartcard embedded into the MicroSD is loaded with keys for a specific user and user group, then permanently locked and inserted into the smartphone. Once activated, calls can be set up to other SECTRA Panthon users through a secure and centrally managed phonebook using VoIP (voice over IP) technology.

The end-to-end encryption ensures protection from identity theft and eavesdropping. All attempts to tap into a transmission between two Panthon phones are futile since the culprit will only encounter random noise. SECTRA Panthon is available for a selection of Android phones and tablets. The solution has been approved for communications up to and including EU, NATO and NL RESTRICTED. It is developed by SECTRA in close cooperation with the Dutch Security Authority, NLNCSA.



## Cryptography

- end-to-end encryption of voice and text messages with 256bit AES
- secure Voice-over-IP solution with high quality, real-time, full-duplex operation based on the ECMQV protocol and ECDSA signature scheme
- hardware accelerated crypto on smart card with True random, Elliptic Curve Cryptography (ECC) and AES co-processor
- certificate revocation list (CRL) support, updated over the air

## Secure voice

- optimized for mobile VoIP and international calling with VoIP tunnelling technology
- works on 2G, 2.5G, 3G and 4G mobile networks, satcom and Wi-Fi
- very fast secure voice call setup and low audio latency
- pending support for SCIP (Secure Communications Interoperability Protocol)

## Management

- software updates over-the-air
- phone integrity function which monitors the client for anomalies and provides whitelisting of applications
- automatically updated, centrally managed secure phone book and whitelist

## **User interface**

- easy to use, multilingual graphical user interface on touch screen smartphone
- can be used as a normal smartphone for regular phone calls
- printed users guide and built-in user instructions

## **About SECTRA**

SECTRA has developed and marketed security solutions for European government authorities, defence departments and other critical functions of society since the company's inception in 1978.