

For the first time in the world

DUAL PROCESSOR CRYPTO SMART TELEPHONE

Reliable roaming in crypto mode all over the world is available
Additional Crypto Processor provides super reliable encryption
None of the companies in the world are capable to provide it



Main characteristics

Transmission principle	Radio modern standard GSM 900/ 1800 mHz
Operation modes	<ul style="list-style-type: none">•Voice encryption in full duplex mode.•Standard GSM phone mode•SMS encryption•Data encryption inside a Crypto Smart Telephone•Encryption and transmission of E-mail messages

Processor: general purpose encryption	Motorola MX21 266MHz TMS 320 VC 5416
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Interface

Connector for data exchange (18-pins)	USB 2.0 Host-sync. via USB Charging: a. Battery charging using AC-adaptor b. Battery charging using USB port
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Keypad/ Switch

Keypad	Latin aphabet
Encryption button	Dedicated button

LCD

Display type	TFT, 260 K Colour LCD
Resolution	240 x 320 x RGB pixels
Active screen size	2.2" (33.84 x 45.12 mm)
Dimensions	53 (W) x 115 (L) x 24 (H) mm
Weight	150 g
Antenna	Embedded antenna
Battery	Li-Polymer
Battery capacity	1300mAh (1000mAh min)

Cryptographic characteristics

Cryptoalgorithm	Symmetric 256 bit algorithm developed by CTS
Key distribution method	Public key. Public keys are formed for each communication session. A user can independently form and introduce keys.

Key power	10^{77}
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Speech quality aspects

Syllable legibility 97 %
Independence of the language
It makes no difference whether men or woman are speaking on a Crypto Smart Phone
Stability to noisy environment
Mistake correction

Warranty service - 1 year. After warranty maintenance - 5 years



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**15 YEARS OF SUCCESSFULL WORK
IN THE FIELD OF CRYPTOGRAPHY**

Dual Processor Crypto Smart Telephone

Features and benefits

Operates in standart GSM networks
Two subscribers should use two similar
Crypto Smart Phones to povidе encrypted
communication. Crypto Smart Phones
can function in the standard (public)
and encryption mode.

Compatibility

It is for the first time that a Crypto Smart Phone
can operate with an analogue, ISDN and
IP-crypto telephones designed by JSC, ANCORT”.

Simplicity of use

Crypto Smart Phone is simple to use.
It is enough for a user to press only one button
on the Crypto Smart Telephone panel to start
operation in the encryption mode
in a standard GSM network.
Crypto Smart Phone can operate
with standard SIM cards
of any GSM provider supporting
data transmission service.

Cryptographic options

- A physical sensor of equiprobable keys
a user enters the chosen keys in the
Crypto Smart Phone manually or
automatically from the key sensor.
Depending on a user’s requirement
there may be a portable or a fixed key
generation in Crypto Smart Phone
complete set designed to introduce
keys in the Crypto Smart Phone.
- Encryption/ decryption of voice information
- Encryption/ decryption of short messages
(SMS service).
- Data encryption/ decryption
(BS26 and GPRS service).
- Encryption/ decryption of of E-mail information.
- Encryption/ decryption of information of
all telephone directories (SIM PB, ME PB, FD).
- Encryption/ decryption of MMS information.

Crypto Smart Phones connected
to a computer provides
encryption of E-mail messages
sending and receiving
them in the Encryption form.

Key generation and key input

**A user can independently generate encryption keys and input them in a Crypto Smart Phone
Warranty service is 1 year. After warranty service is 3 years.**



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