



Detailed Info



NETAS

Netas provides innovative end-to-end value added systems integration and technology services in information and communications technologies (ICT). Its customers range from telco providers to public and private enterprises in domestic and international markets. Netas's constant focus on productivity is based on its next generation competencies around technology skillset and expertise. The company holds a track-record of 50 years and continues its foray in the next generation technologies, supported with its experienced, best of breed research and development teams.

The company, provides its customer with solutions in various domains such as networking, cyber security, unified communications, virtualization, cloud computing, broadband mobility, optical and carrier Ethernet, GSM-R. Netas is a leader in IT integration services, managed services and software development solutions. Netas also plays an important role in the modernization of the Turkish Armed Forces' communication networks. Also, the company serves armed forces of some other countries in North Africa, Asia-Pacific and the CIS.



Are you aware that you are vulnerable to many threats on the Internet?

With increasing voice and video transmission over IP and emerging new technologies such as 4G LTE and 5G, data vulnerabilities and lack of security are the main concerns due to the nature of IP infrastructure systems. Reports show that most of attacks occur in the application layer. Therefore our products and services focus on the application layer security. Discover vulnerabilities, detect and prevent attacks, enable secure media communication with our solution.

Find out your vulnerabilities and protect your network with NOVA!

Create and operate a secure VoIP infrastructure with comprehensive VoIP Penetration Test relies on, NOVA PENTEST Services via NOVA V-SPY Vulnerability Scanning and Analysis Tool.

V-SPY is an automated enriched VoIP penetration test suite including rich variety of VoIP attack modules, detailed reports of security measures via expert system.

Detect and prevent VoIP threats using VoIP Application Firewall, NOVA V-GATE.

V-GATE is ready to guard your VoIP infrastructure by performing deep packet inspection, statistical and behavioral analysis, detecting anomalies and preventing VoIP attacks, VoIP monitoring and operational management.

Detect telecommunication frauds using Fraud Management System, NOVA FMS.

FMS offers an intelligent, agile and economical solution that can perform security analysis on massive data volume with machine-learning techniques in real-time to detect frauds and threats.

Make a secure multimedia communication via Secure Media Communication Platform, NOVA S/COM.

S/COM can achieve secure media transfer with its support for various security methods and flexible crypto algorithm, enabling secure voice and video communication, whiteboard usage, file and message transfer.

Maintain a secure operation in UC network, VoIP and Web applications with NOVA Product Family.

NOVA is a product name of NETAS Cyber Security Technology Development Group developments. VoIP, Web, IoT, Mobile security are the main areas with real time data analysis, artificial intelligence, big data analytics methods usage.



SECURE MEDIA COMMUNICATION



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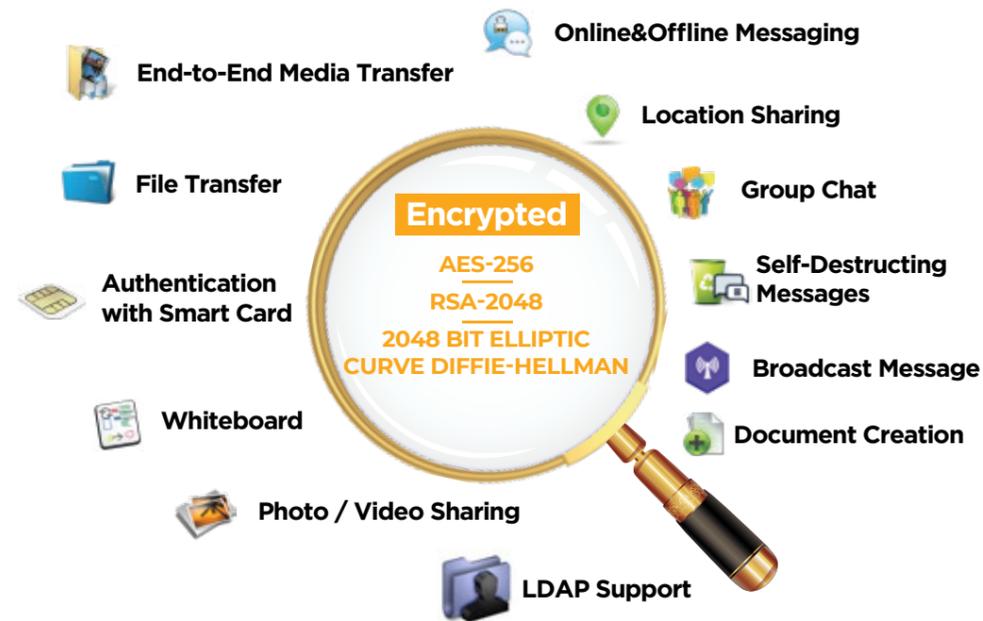
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Secure Media Communications

NOVA S/COM is a **SECURE** messaging application for Android, iPhone and desktop environments. **NOVA S/COM** is an application used to send and receive encrypted messages, calls, photos, videos, locations and files over the Internet connection (3G / 4G / Wi-Fi) *on premise solution*.

NOVA S/COM can achieve secure media transfer enriched with various security methods and flexible crypto algorithm usage, enabling protected voice and video communication, message and file transmission, and whiteboard usage.

Features



- In Call functionality
 - Send Encrypted end-to-end IMs over WebRTC
 - Encrypted Whiteboard (Synchronized Drawing Tool)
 - Camera On/Off, Front-Back Camera Switch, Mute Microphone,
 - Speaker Mode
- Device Independent
- Scalable Server Architecture & High Availability
- Communication over the internet with fixed lines and VoIP Phones
- Vehicle Tracking System
- On Premise Solution

Overview

Communication security has gained importance due to the growing role of mobile devices in our everyday lives and the ongoing investments in the internet infrastructure. The security of communication content is critical because open internet networks (such as airports, shopping malls, etc.) are vulnerable to malicious attacks.

NOVA S/COM provides a secure communication environment independent of the devices and operating systems. **NOVA S/COM** delivers secure communication for both client-to-server and client-to-client communication even in unsecured networks. **NOVA S/COM** prevents known attacks such as man-in-the-middle attacks and offers a secure voice&video and messaging communication platform and also provides developed alarm mechanism.

The answer to the following critical questions is NOVA S/COM.

- *How do you protect your calls?*
- *How important is security in your internal communication?*
- *Would you like your corporate communication tools to be integrated with your other workflow and productivity applications?*
- *Would you like to talk securely anytime and anywhere?*
- *Would you like to deploy on premise in your enterprise?*
- *Would you like to control over communications' data?*
- *Would you like to protect your phone from hacking?*

Technical Specifications

Encryption

- Encryption algorithms AES256, Blowfish and TripleDes. Easily extendable with others.
- Smart Card: RSA 2048/4096 - SHA512 – (CC EAL5+)
- Dynamic encryption algorithm and key change mechanism

Random Number Generation

- On Smart Card's chip generated random number (FIPS 140-2)

Key Exchange

- 256-bit Elliptic Curve Diffie-Hellman (ECDH) for key agreement

Audio and Video

- Video codecs: VP8, VP9, H264. Adaptive video codec mechanism for network quality changes.
- Audio codec: ISAC, G722, ILBC, PCMU, PCMA. No voice feedback, no echo.

Connectivity

- Internet-based: 3G / 4G & LTE / Wireless Network

Performance

- High quality encrypted video and audio. Latency < 400ms
- 200.000 calls per hour, call signalization time: 1.5ms
- 1.300.000 IMs per hour, IM sent and received time: 0.260ms

Supported Platforms

- Android version 5.0 (Lollipop and API level 21) and upper
- iOS version 10 and upper.
- Desktop Secure Client