



# Hoox for business

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*... secured communication ...*



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Is it worth it?

*...I mean secured communication*

# Everyone has to be protected



**Architect:** preserve your plans



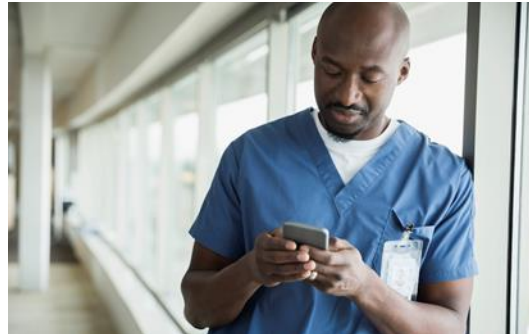
**Salesperson:** protect your negotiations



**Lawyer:** safeguard the confidential data of your clients



**Assistant:** communicate with your boss in a complete security



**Physician:** preserve patients' protected health information



**Researcher:** protect pharmaceutical intellectual property

# Your data is precious

It needs to be protected throughout your workday



# Hoox

## Your data security without constraints



### Communicate easily with all your contacts

- ▶ Secure calls and messages to Hoox users
- ▶ Secure and clear conference call
- ▶ Secure recording (2018)
- ▶ Standard non-secure calls to non-Hoox users

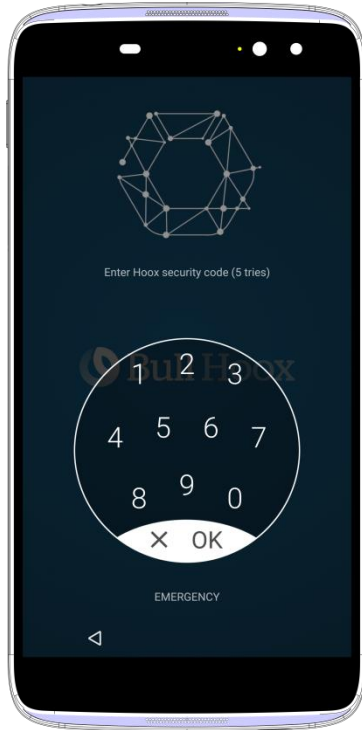
### Maintain your productivity

- ▶ Exchange data via encrypted communications
- ▶ Secure file exchange
- ▶ Remote revocation
- ▶ Remote data wipe in case of loss or damage

### Use your daily applications

- ▶ Secured app store with approved applications (Android apps audited and certified)
- ▶ Prevent the installation of unsecure applications

# Hoox for business, a new dimension of security



**Native security: enter a secure universe from the unlock screen!**

**Hoox is designed for business.**  
Easy to use, intuitive and user-friendly

**Security with complete transparency,**  
a unique experience in the market

# Hoox for business

Communicate and share with complete peace of mind

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**Keep working as usual,  
Communicate simply**

The hexagonal shape of the icons shows you that these applications are **secured**:

- Protection from listening
- Protection from interception (text, email, etc.)

## **Benefits**

- Maintain confidentiality of exchanges
- Preserve your financial and commercial information

# Hoox for business

## Communicate securely



See the security status on-screen

### Benefits

- Maintain the confidentiality of your team's sensitive interactions
- Keep your peace of mind



# Product specifications



**Hoox K31**



**Hoox K3.1**

<b>Year of phone design</b>	2017	2017
<b>Android version basis</b>	6.0	6.0
<b>Display</b>	AMOLED 5.5"	IPS LTPS 5,2"
<b>Display resolution</b>	1440x2560	1080x1920
<b>Capacity</b>	32	16
<b>External SD card</b>	Yes	Yes
<b>Back camera</b>	16Mpx	13Mpx
<b>Front camera</b>	8Mpx	8Mpx
<b>Wireless networks supports</b>	2G/3G/4G	2G/3G/4G

	<b>Hoox K31</b>	<b>Hoox K3.1</b>
<b>Wi-Fi</b>	Wi-Fi 802.11 b/g/n/a	Wi-Fi 802.11 b/g/n/a
<b>Bluetooth</b>	V4.2	V4.2
<b>SIM format</b>	Nano-SIM double	Nano-SIM double
<b>Audio output</b>	Jack 3.5	Jack 3.5
<b>USB</b>	Micro-USB	Micro-USB
<b>NFC</b>	No	No
<b>GPS</b>	GPS, A-GPS	GPS, A-GPS
<b>Battery</b>	Non-removable Li-Po 3000mAh	Non-removable Li-Po 2610mAh
<b>Fast charging</b>	Quick charge 2	Standard
<b>Basemark X</b>	23718	23718
<b>Dimensions</b>	153.9x75.4x6,99 mm	147x72.5x7,1 mm
<b>Weight</b>	149g	135g
<b>CPU</b>	Qualcomm Snapdragon 652	Qualcomm Snapdragon 617
<b>GPU</b>	Adreno 410	Adreno 405

# Main security features



## Hoox devices

<b>Secure voice and SMS between Hoox</b>	Yes
<b>Standard voice and SMS</b>	Yes
<b>End-to-end secure VoIP calls between two Hoox</b>	Yes
<b>Secure voicemails</b>	Yes
<b>Encrypted-to-clear call from Hoox to a corporate fixed phone</b>	Yes (On Premise)
<b>Encrypted-to-clear call from Hoox to national network</b>	Yes (On Premise)
<b>Secure Group Instant Messaging</b>	Yes
<b>Secure SMS</b>	Yes (2018)
<b>Secure access to data services (email, web...)</b>	Yes
<b>Secure conference call [3 users, live mode through Hoox devices]</b>	Yes
<b>Secure conference room [4+ users with invitation]</b>	Yes
<b>Secure recording</b>	Yes (2018)

## Hoox devices

<b>Legal listening compliance</b>	Yes (2018)
<b>MDM: users/groups management, contacts synchronization</b>	Yes
<b>MDM: remote wipe and erase data in case of stolen devices</b>	Yes
<b>MDM: remote modification of administration and secure parameters</b>	Yes
<b>MAM</b>	Private store
<b>Hoox setup</b>	Easy (QR code)
<b>Trusted boot</b>	Yes
<b>Rugged and hardened OS</b>	Yes
<b>Over-the-air software update</b>	Yes
<b>Possible integration of custom AES algorithm (dedicated project)</b>	Yes
<b>Central system redundancy</b>	Yes
<b>Capacity (number of users)</b>	>15 000
<b>Snatching protection</b>	Yes
<b>Cryptography key generation</b>	Central EAL4+ Atos HSM

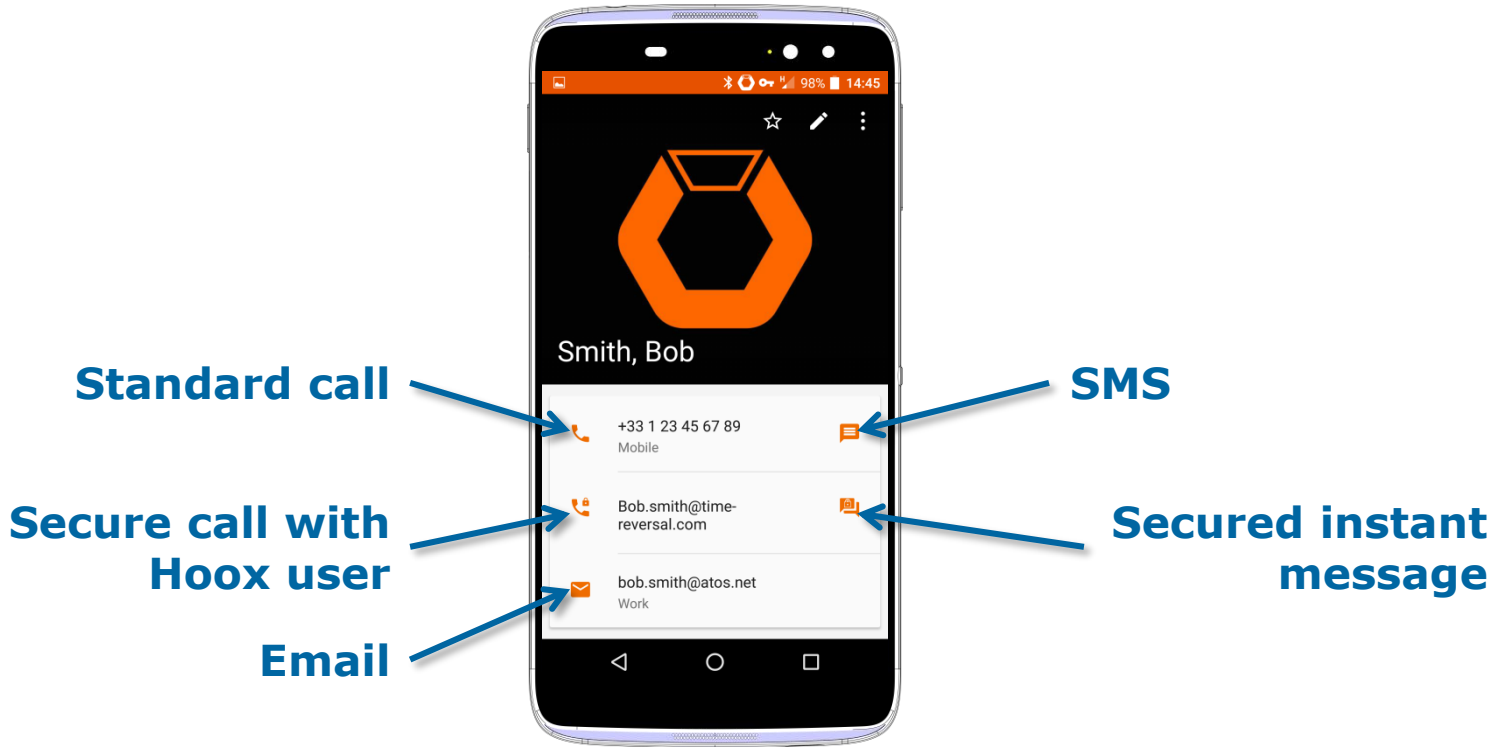
# Keep working as usual

Access main services from standard Android applications



# Fully integrated security features

No dedicated application for secure communication



# Secure communications

## Prevention from eavesdropping and interception

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### ▶ Two ways to communicate with Hoox:

- **Secure communication with other Hoox users**
- **Standard communication** (standard calls, standard SMS): same risks as with a standard smartphone

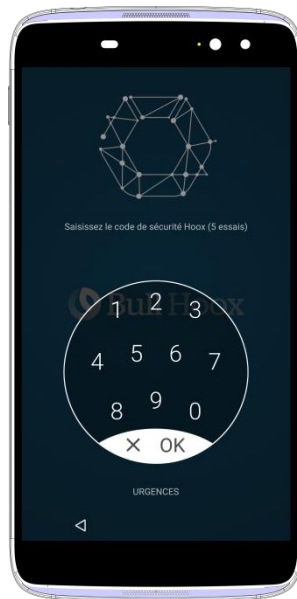
### ▶ Hoox secured channel of communication:

- **Secure calls or conference calls:** voice calls are encrypted. Signaling uses SIP/TLS and voice data transfer uses SRTP Passthrough protocol (end-to-end encrypted call), 256-bit AES
- **Instant messaging:** SIP/TLS, 256-bit AES
- **Data:** all data exchanges (e.g. web browsing and mails) are going exclusively through a VPN. There is an IP tunneling which forces all connections from the mobile phone to the central system through the VPN; TLS.

# Secure connections

## Prevention from over-the-air intrusion

- ▶ All **wireless** features are strictly controlled
- ▶ Only fundamental features are kept
- ▶ All other functions are removed from the Hoox (not just deactivated)



**4G/3G: IP tunneling  
and no MMS**



**Totally removed**



**Audio profile only  
(for car connection)**



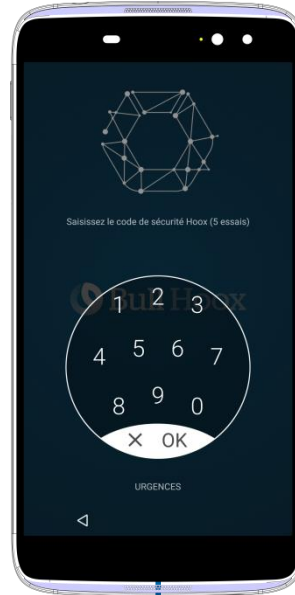
**Hotspot connection only  
No Wi-Fi tethering  
Other profiles removed**

# Protected device

## Prevention from extraction of information

### USB

- ▶ USB is strictly controlled
- ▶ Only fundamental features are kept
  - File transfer (with security code)
  - 4G connection sharing
- ▶ All other functions are removed from the Hoox (not just deactivated)



### A secure boot

- ▶ Data is encrypted
- ▶ Prevents from penetrating or changing something in the system

### Security code

- ▶ After five tries, the Hoox is reset

# Hoox Secured Store (1/2)

## Prevention from unsafe applications

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### ▶ Hoox smartphones include a private store : Hoox Secured Store

- **No public store** installed on the Hoox
- **Only “signed by Atos” applications up for installation:** no other possibility to install an application (i.e. downloading by a file transfer)
- In-depth management of Apps authorizations

### ▶ Atos audits all applications for download in your private store

- Security policy compliance
- Rights and permissions
- Most inappropriate behaviors are detected (malware, virus, rootkit, unwanted connection to servers etc.)

### ▶ You can download your own applications in your private store

- Possibility to **add your own applications** after an Atos audit and test.
- Available **for your employees only**



# Hoox Secured Store (2/2)

A MAM included in the Hoox Security Platform

**With the Hoox MAM, deploy easily mainstream Apps and your own apps.**

**Apps can be deployed for groups or users.**

## Atos Hoox Security Platform

Welcome Frederic.Blum on portal-prod

The screenshot displays the 'Apps Management' section of the Hoox Security Platform. The interface includes a navigation bar with 'Users/Device Management', 'Users History', 'Apps Management', and 'System Settings'. A 'My Account' and 'Logout' link are visible in the top right. Below the navigation bar, there is a dropdown menu for 'Order By' set to 'Categories'. The main content area is divided into three categories: 'Communication', 'Daily life', and 'Game'. Each category contains a grid of app cards, each with an icon, name, and version number. The 'Communication' category includes WhatsApp M..., Circuit par U..., Instagram (Version: 30.0...), Messenger (Version: 151...), Facebook (Version: 163...), Zedl (Version: 2.0...), LinkedIn (Version: 4.1...), and Twitter (Version: 7.37.0). The 'Daily life' category includes Accuweather (Version: 5.2...), ColorNote Bl... (Version: 3.11...), WordRefere... (Version: 4.0.19), OUI sncf (Version: 44.06), My MWC Ev... (Version: 7.1.0), Nokia Health... (Version: 3.5.4), and Waze (Version: 4.36...). The 'Game' category shows four app cards with icons for a globe, a plus sign, a green character, and a yellow character. A trash icon is located at the bottom center of the interface.

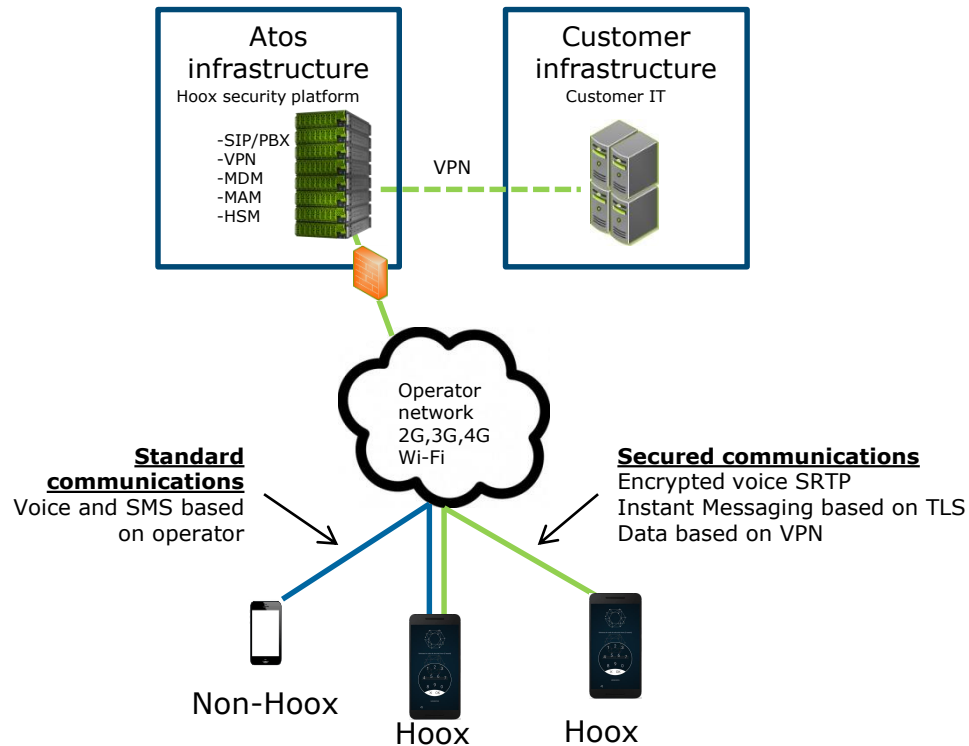
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2 ways to use it

# Hoox "as a service"

An all-in-one solution



## The hosted solution

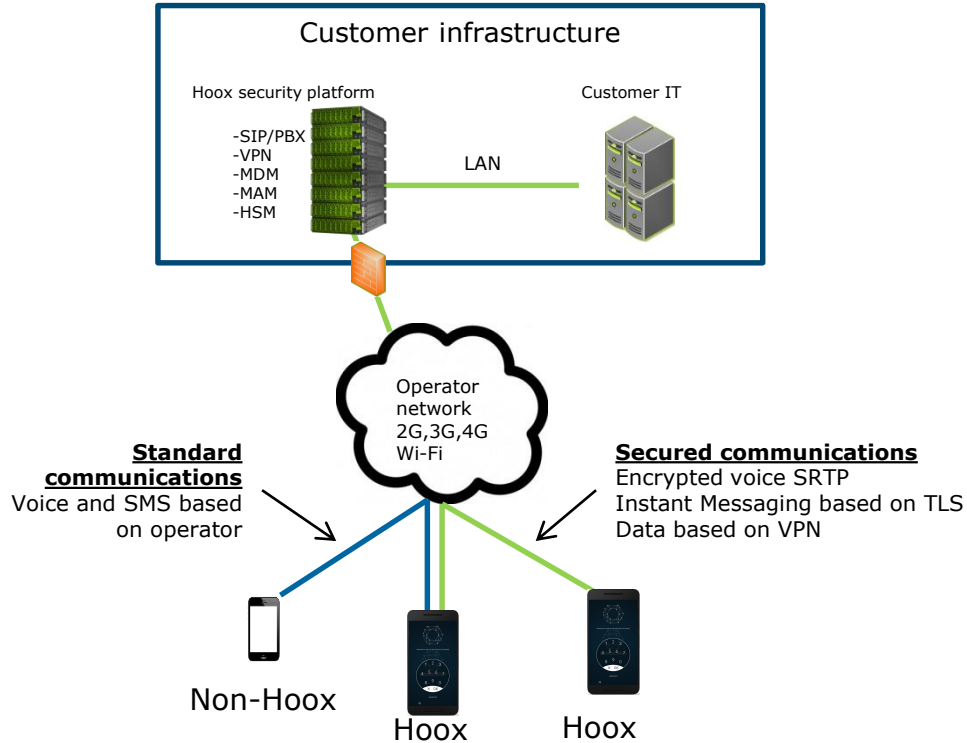
### Which benefits?

- Easy and quick deployment
- No IT concerns
- Guaranteed service level (SLA)
- Atos: your trusted partner

- Hosted system in a Tier III data center
- OPEX model
- Volume <1000

# Hoox "on premises"

Full integration with your IT



## The on-site solution

### Which benefits?

- Full integration with your information system
  - Total sovereignty on your organization's data
  - Control over of all network flows
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- Scalability
  - CAPEX model
  - Volume >1000

# Thanks

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The Atos logo is displayed in white on a blue background. It features the word "Atos" in a bold, sans-serif font. The letter "o" is stylized with a white circle inside it, and the letter "s" has a white outline.