



I.X R2



The world's first  
Wireless Privacy Key



# I.X R2

**Secures** the privacy of  
**your conversations....**

...whether that is a voice call, message,  
voice message, picture or document.

- No Password**
- No Hardware lock-in**
- No IT Installation**

The I.X R2 is a credit-card sized Wireless Privacy Key that secures the privacy of your communications. It uses patented technologies to encrypt all types of conversations and to authenticate its users. The I.X R2 is compatible with iOS and Android smartphones and it requires no IT effort at all to install or provision, which makes it a suitable solution for companies of all sizes.

The encrypted wireless connection between the I.X R2 and your smartphone gives you full control over your privacy. Using the I.X 3-way authentication™, the R2 is a secure communication solution that works without password thus excluding what is considered to be the weakest link in anyone's security

# Hacking & Eavesdropping communication.... It happens everywhere!



**It is going to happen to you too!** Your smartphone manages confidential and classified conversations and information while they carry more personal information than any other device you use. On top of that, it is connected to an IP network almost 24/7! The technology to intercept a voice or message is cheap and it is available everywhere. This is why hacking has become such a fast-growing global business. More than 100 countries use digital means to spy on governments and corporations<sup>[1]</sup> and 93% of all hacking-related activity are either financially or espionage driven<sup>[2]</sup>. It is no longer done out of activism, it is just business. There are people prepared to pay to know what you know and not protecting it, could cost you dearly. Hackers are targeting mobile more and more. Nearly one percent of all Android devices are infected by malware<sup>[3]</sup>, nearly 6 times more than Windows PCs. It is better to be secure than sorry!

# Sophisticated Encryption Technology but Super Easy to use



2

Two-factor  
Authentication

3

Three-way  
Key Protection

5+

EAL 5+ Certified  
Secure IC

256

256-bit AES&ECC  
Encryption

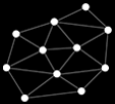
The I.X R2 is easy to setup and use. Just create an account via the I.X R2 app on your phone. Connect your I.X R2 Wireless Privacy Key to your phone to create the 3-way authentication™ and you are ready and secure. If you lose your phone, your data will be locked automatically as the key disconnects outside the vicinity of your phone. The I.X R2 itself contains a CC EAL5+ certified secure chip and is linked with your mobile phone through an encrypted Bluetooth connection. This means no encryption key will be stored on your open-OS smartphone!

To create a direct, peer to peer communication channel two I.X R2 Wireless Privacy Keys negotiate a session key independent from a server! The I.X R2 manages vital elements of your security outside your smartphone to avoid risks. This beats any software-only solution.

# Why I.X R2 Encryption Technology is Superior



Here are three things you will not find in other  
Mobile Communication Encryption Solutions:



## True Peer 2 Peer data transfer

Unlike other security solutions, there is no data retention on any server through which the data is being processed. Therefore, no Encryption Master Key is available.



## External Wireless Privacy Key

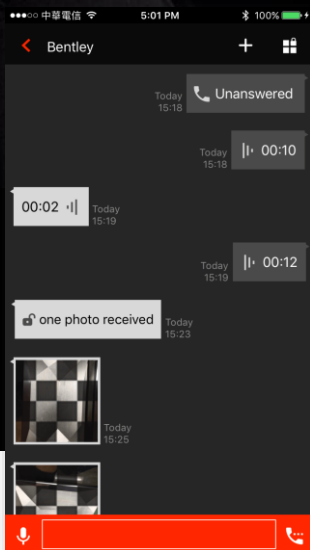
The I.X R2 contains a private encryption key that is hardware protected through a secure Infinion® chip with a CC EAL5+ certification. Maintaining the encryption key outside your smartphone protects it from hackers, even if your phone is compromised.



## 3-Way Authentication™

Your I.X user account, the I.X app on your smartphone and the I.X R2 create a secure communications channel without a password. All communication between R2 accounts is encrypted by a randomly generated AES 256 bit key. The session key is deleted after every session.

# I.X R2 Secured Environment in either **Android** or **iOS**



In the dialogue window, users exchange messages, voice messages, photos, documents and phone calls.



The Encrypted folder shows which files and photos are ready to share securely with your contacts.



min. Android 6.0 or iOS 10.3  
Bluetooth BLE4.1  
Battery life 5 days  
Includes Charging dock+cable  
Includes 1 Year I.X license



If you want to stop taking a risk on confidential communications, please do not hesitate to contact us directly at: [support@ix-security.com](mailto:support@ix-security.com)

Or have a look at our website: [www.ix-security.com](http://www.ix-security.com)

Sources:

1. <https://www.ncsc.nl/english/current-topics/Cyber+Security+Assessment+Netherlands/cyber-security-assessment-netherlands-2017.html>
2. <https://www.ictsecuritymagazine.com/wp-content/uploads/2017-Data-Breach-Investigations-Report.pdf>
3. <https://pages.nokia.com/18259.threat.intelligence.report.ip.html>