

The Gemalto offer for PKI market in Russia



Mirosław TOCICKI, Technical Consultant
September 18th, 2014

Agenda

✦ Introduction

- ✦ Gemalto IdA portfolio
- ✦ Java PKI cards for developers
- ✦ GOST certified solution
- ✦ IDPrime – minidriver PKI cards
- ✦ USB PKI Tokens

We are the world **leader** in digital security

€2.4_{bn}

revenue 2013

2_{bn+}

end-users benefit from our solutions

12,000

employees worldwide

110₊

patents and patent applications in 2013

86%

customer satisfaction in annual survey

190 countries

where our clients are based

IdA Product Offer

Hardware



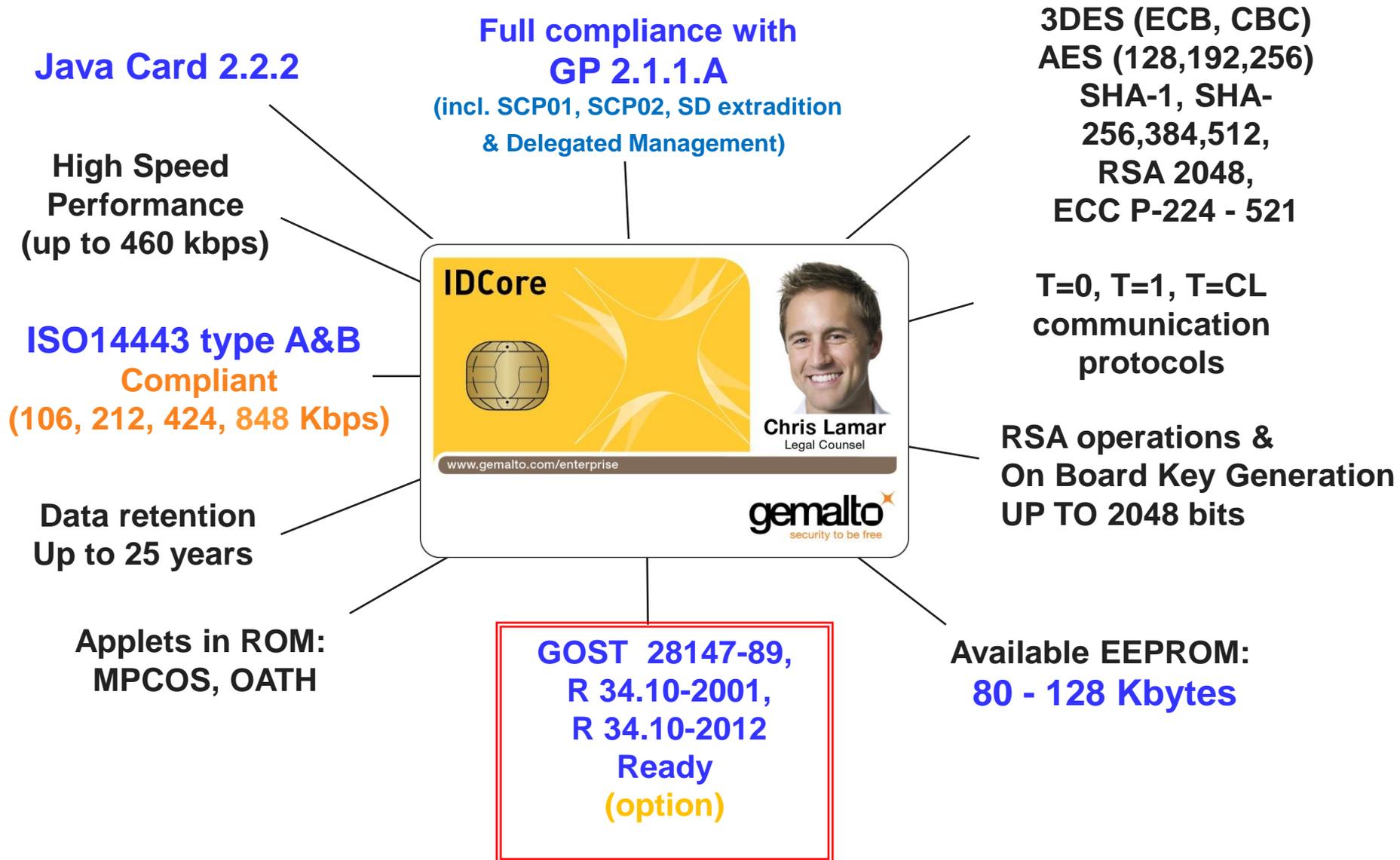
Software



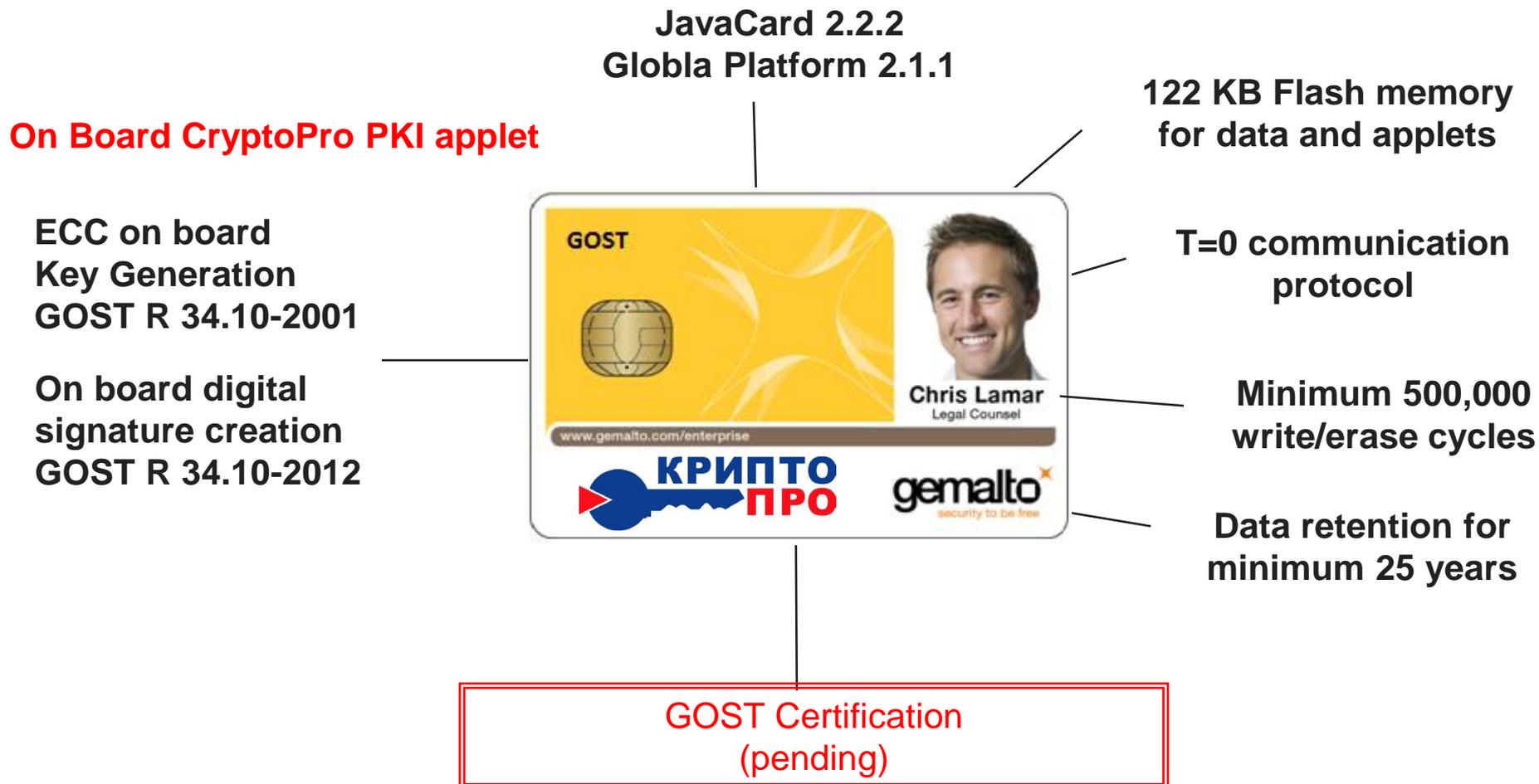
Platform



IDCore family



GOST certified solution (token)



GOST certified solution (middleware)

✖ CryptoPro CSP 4.0 FKC middleware features

- ✖ Key establishing GOST 28147-89
- ✖ Encryption/decryption GOST 28147-89
- ✖ Hash GOST R 34.11-94 and GOST R 34.11-2012
- ✖ Signature verification GOST R 34.10-2001 and GOST R 34.10-2012
- ✖ Control of integrity of data by computing of Message Authentication Code (MAC) according to GOST 28147-89 standards



Gemalto IDPrime range messaging

	Differentiating features	Core message
<p>IDPrime.NET</p> 	<ul style="list-style-type: none"> • Large customer base, including Microsoft • Tokens • OTP option • Biometrics option 	<ul style="list-style-type: none"> • Standard IDPrime offer • Easy to deploy / Low TCO • Versatility (form factors, OTP / PKI, hybrid card) • Wide ecosystem integration
<p>IDPrime MD</p> 	<ul style="list-style-type: none"> • Contact or Dual (NFC) • CC EAL5+ / SSCD certified • Elliptic curves • MPCOS (e-purse) option • OTP option 	<ul style="list-style-type: none"> • Ready for mobile PKI, with the contactless interface compliant to ISO14443 / NFC. • Digital Signature compliant with regulations

IDPrime **Minidriver dll**

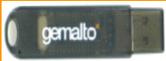
- ✦ **One certified minidriver dll** (named axaltocm.dll) for all 32 / 64 bit Windows OS
 - ✦ Backward compatible with all previous cards including .NET card v2 / v2+ versions
 - ✦ Latest evolutions: Performance optimization, maintenance

- ✦ To install the minidriver dll **manually**
 - Download the dll zip from [Microsoft Update site](#) and extract its files on your disk
 - Right click on the .inf file and Install

- ✦ To install the minidriver dll **automatically**
 - Download the [installation software](#) zip file from the gemalto.com Product Catalog
 - On Windows 7, the installation of the minidriver dll should occur automatically after the first card insertion

USB PKI Token Offering

Selection guide

		Removable Smart Card	Sealed Smart Card	Tamper evident Waterproof	Flash Card interface
K30					
K50					
K3000					

IDBridge K30

Product features

✦ Plug-in card reader

- Removable SIM sized smart card
- GemCore Smart Card Interface
- USB 2.0 full speed certified 
- Microsoft CCID compliant
- PC/SC drivers for Microsoft, Linux, MacOS and Android
- Compliant with GOST

✦ Portable device

- Smaller than a house key (LWH 64x16x8 mm)
- To be easily carried with a key ring
- Customer specific color, logo upon request
- Identification of the end-user through visible SIM Card back side printing



GOST PKI Token

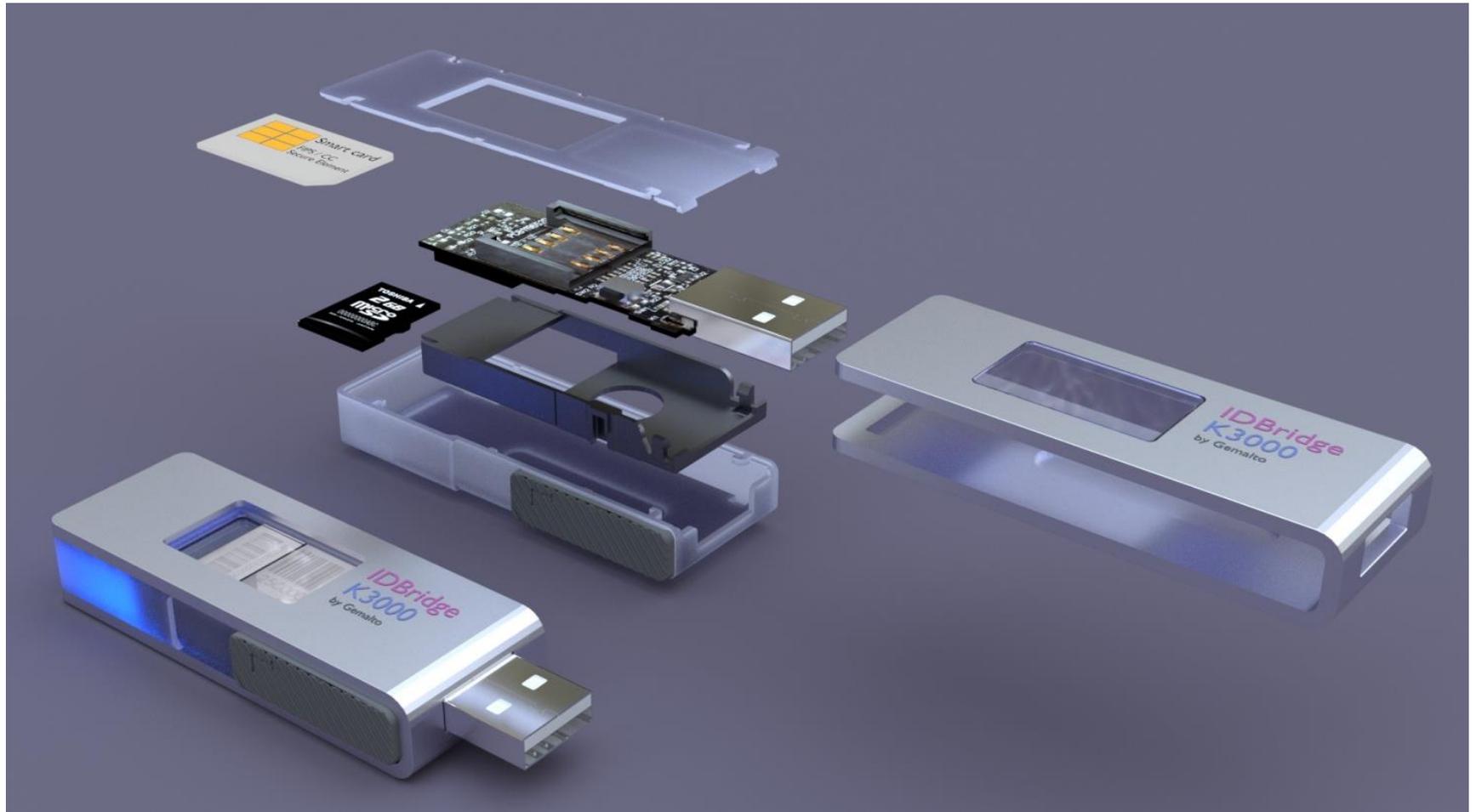


IDBridge K30



IDBridge K3000

Modular platform – assembly by qualified partners



IDBridge K3000

Benefits

carry your applications and protect against corruption

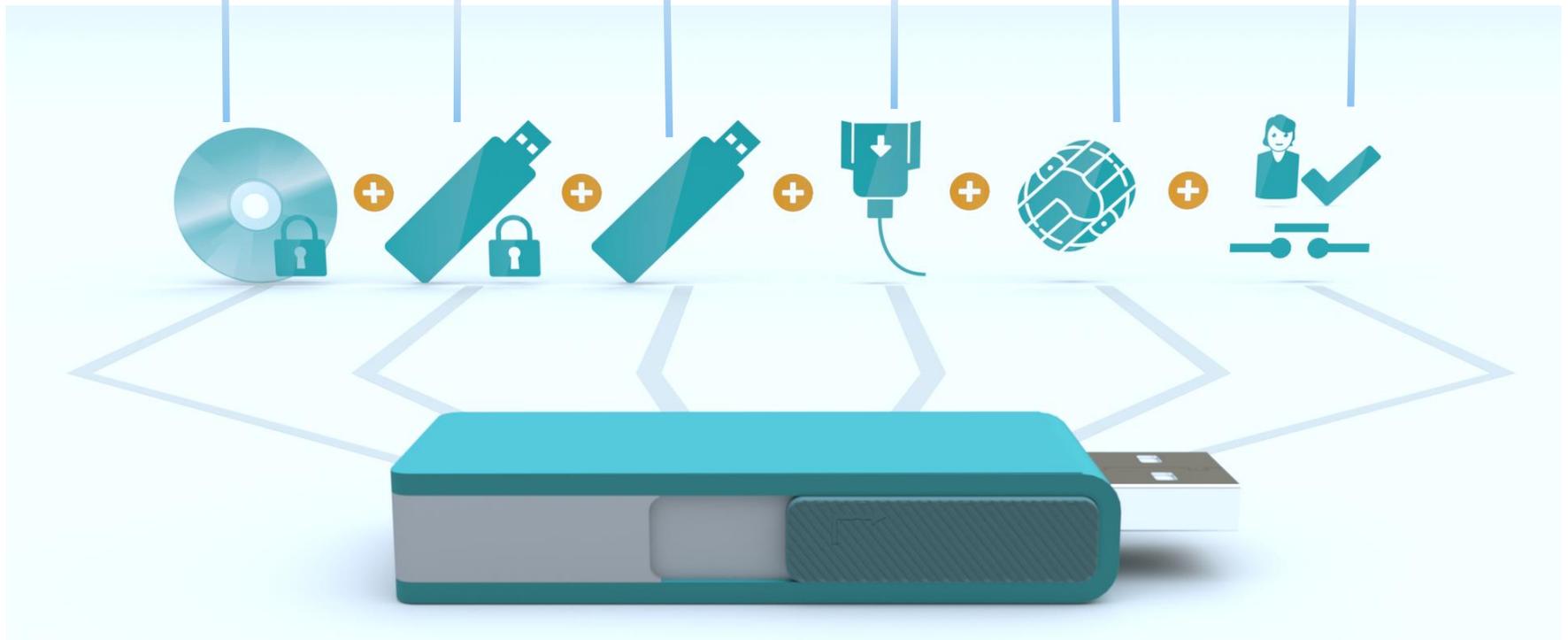
protect sensitive data

your settings everywhere

CMS Compatible

Certified for Electronic Signature

User verification



Questions ?

Thank You !

Miroslaw.Tocicki@gemalto.com