

# Kingston Technology

## Kingston approach on GDPR Regulations Encrypted USB Solutions

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**Ce este Regulamentul General privind Protecția Datelor (EU GDPR)**

**Ce înseamnă EU GDPR?**

**Cum asigurăm conformitatea cu EU GDPR?**

**Cum vă poate ajuta Kingston**





# Politici pentru circulația datelor – Care sunt avantajele criptării?



## Porturi USB blocate

- + securitate maximă
- Limitează flexibilitatea angajaților
- Costuri/training cu o altă soluție de transfer de date

## Politică de criptare USB

- + flexibilitate a angajaților
- + Securitatea datelor
- + Gestiunea dispozitivelor
- Investiție hardware



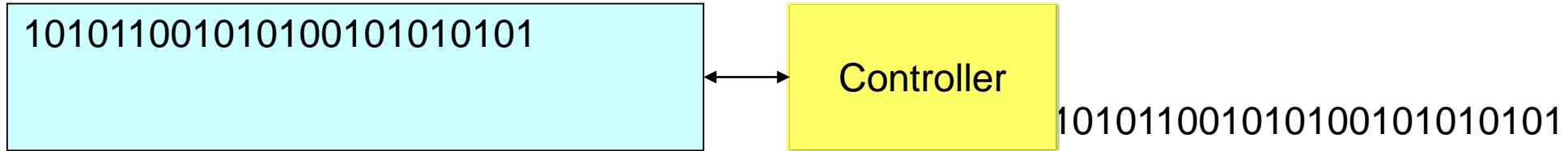
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Encrypted USB'

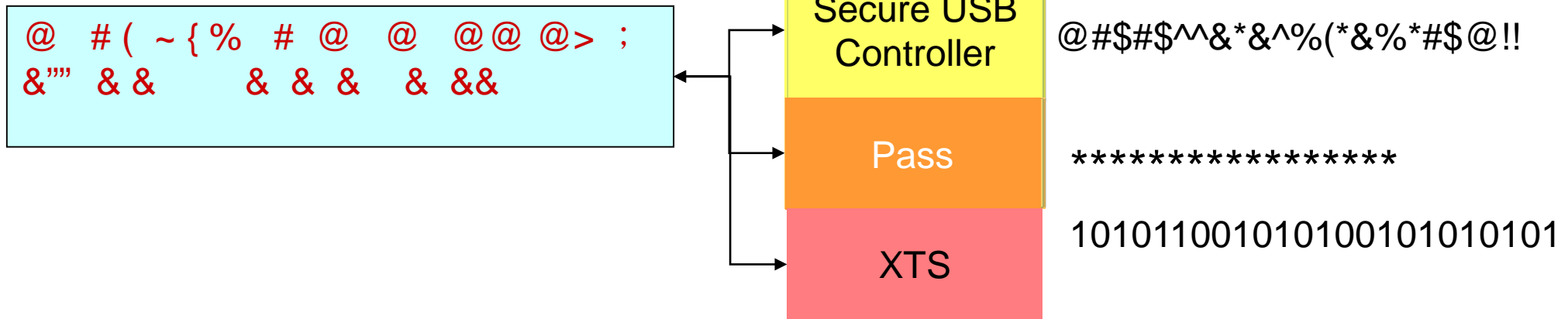


# How does a Secure USB work?

Standard USB drive's storage space



Secure USB drive's storage space



Only you are responsible for the information stored on the USB drive.

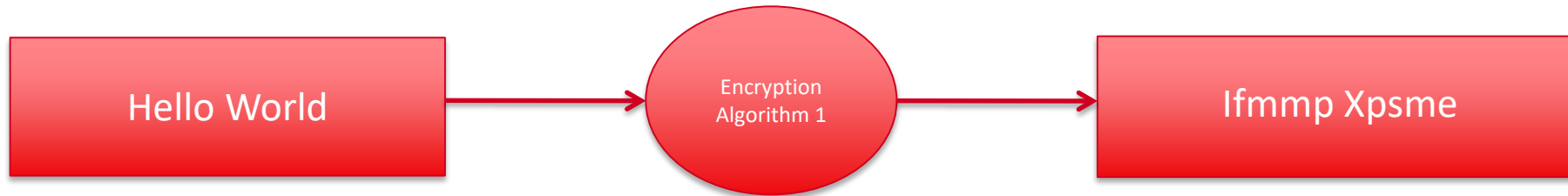
Only you know how important the information stored is.

Only you have the right to decide whether to use this information.

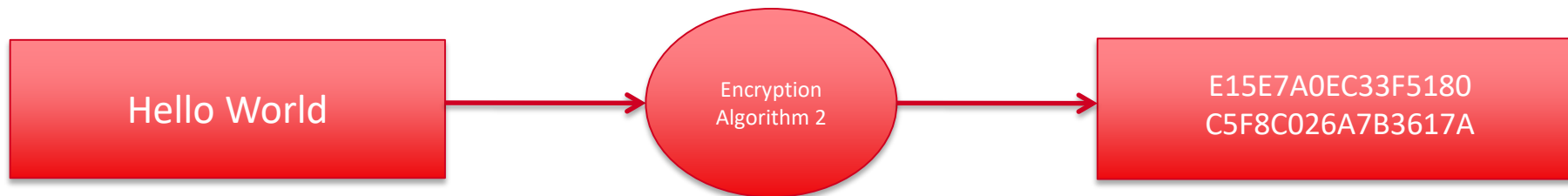
You never know who could try to access your USB drive when you lost it.

# How does encryption work?

- Turns standard files into non-readable strings of ASCII characters
  - Encrypted files can be read, but not understood by humans



- Encryption Algorithm 1 uses key = 1, and algorithm rule “shift character to right by key”. This is known as Caesar Cipher. Very simple and very easy to break!



- Encryption Algorithm 2 uses key length 192, and algorithm rule Triple DES. The password is “K1ngston”. Without password this cannot be decrypted!



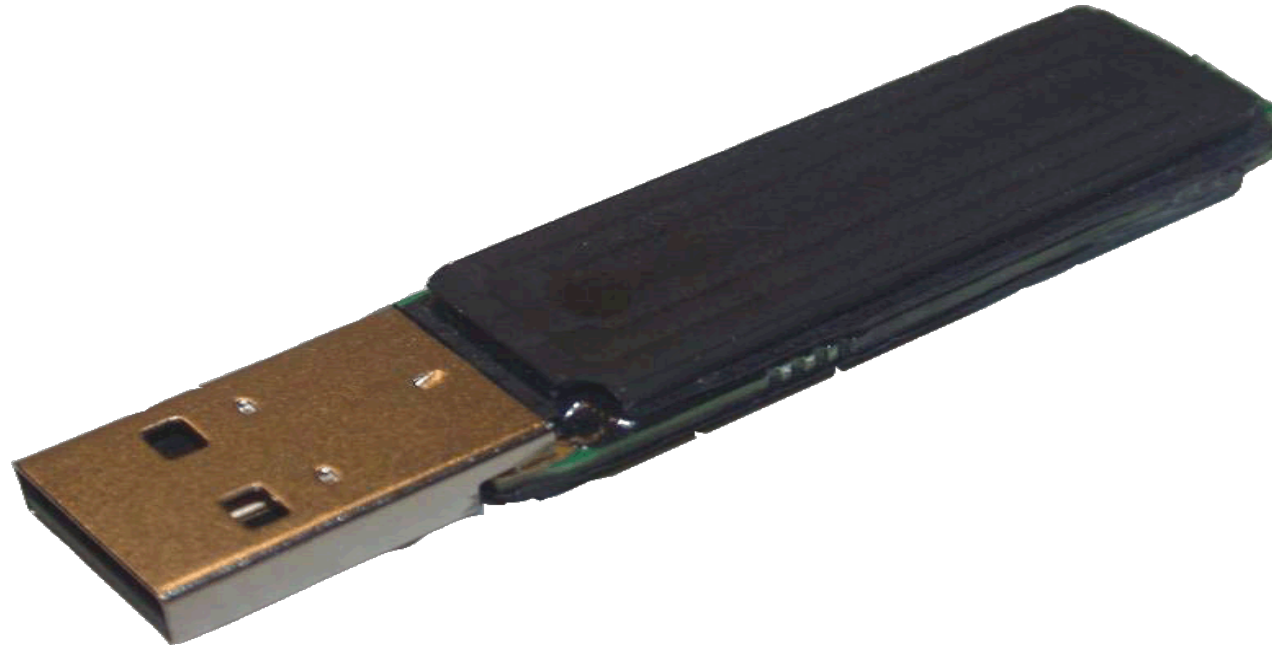






# FIPS140-2 Module Validation

- Module validated to FIPS 140-2, not just the cryptographic processor



FIPS 140-2 Epoxy physical security barrier



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# Kingston Encrypted USB Common Features

- All Kingston enterprise security products provide **hardware based authentication**
- 100% AES-256 hardware based encryption – no public storage area for maximum protection
  - Lockout after 10 incorrect password entries wiping keys and formatting the drive
    - Device can be reset for reuse, but data will be lost
  - Enforced complex password with minimum password length
- Rugged, waterproof metal casing
- **Wear-leveling:** Both static and dynamic wear-leveling is used. Under extreme drive usage (writing 80% drive capacity each and every day) drive endurance would exceed 10 years of use!
- **Security Assurance** - Third party security penetration test program providing independent security verification. (Results available under NDA)
- **5 Year warranty** with free global technical support
- Customisable drives and features available including serialization, co-logo, custom profiles, custom password requirements, and more.





Secure USB Management allows an organization to quickly and easily establish a command center to inventory, audit and control their secure USB storage devices.

- Remote Password Reset
  - Password Policy
  - Device Audit
  - Device State Management
  - Geolocation and Geofencing
- 
- Kingston management ready SKUs (DT4000G2DM & DTVP30DM) support the latest SafeConsole Management software from DataLocker.
  - The drives can function without the use of SafeConsole helping purchasing decisions.

# Kingston/DataLocker each focus on their strengths



Kingston acquired the Ironkey encrypted USB product line and Windows To Go.



DataLocker acquired the management service, EMS, and Ironkey hard drives.

DataLocker® Inc. is our software partner, they manage the SafeConsole® and Enterprise Management Services (EMS) platforms that both Kingston and IronKey managed encrypted drives utilize.

Kingston is specialised in hardware while DataLocker is focused more on software. By combining our expertise together we offer a truly complete service to our customers.



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# EMS/SafeConsole Evaluation Process



Send customer at least 2 Ironkey Enterprise drives\*

Contact DataLocker by emailing [evals@datalocker.com](mailto:evals@datalocker.com) requesting a 30-day trial



Send customer at least 2 DTVP30 or DT4000G2 DM drives\*\*

Contact DataLocker by emailing [evals@datalocker.com](mailto:evals@datalocker.com) requesting a 30-day trial

Trial confirmation email will be sent to customer within 48 hours

If customer is ready to order, use the DataLocker list to contact a DataLocker rep

Customer places USB drive and EMS order through reseller (see New Sales Process)



# Kingston Technology

Studiu de caz – Securitatea Digitala





# SECURITATEA DIGITALĂ ȘI PROTECȚIA DATELOR

**58,93%**

**din angajați lucrează  
cu informații sensibile**

**Compania dumneavoastră recurge  
la protejarea datelor transferate  
prin soluții cu criptare?**

**Da - 57,81%**

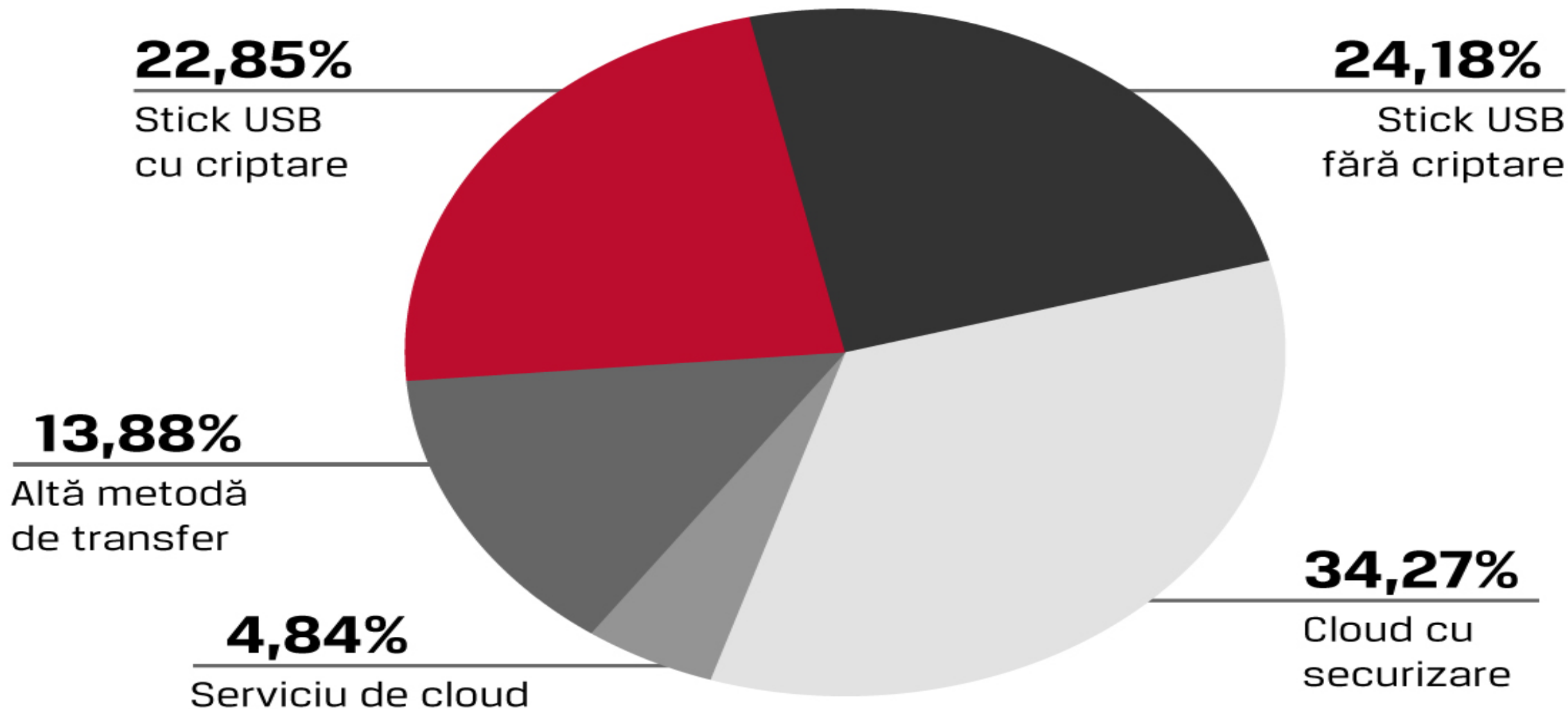
**Nu - 42,19%**



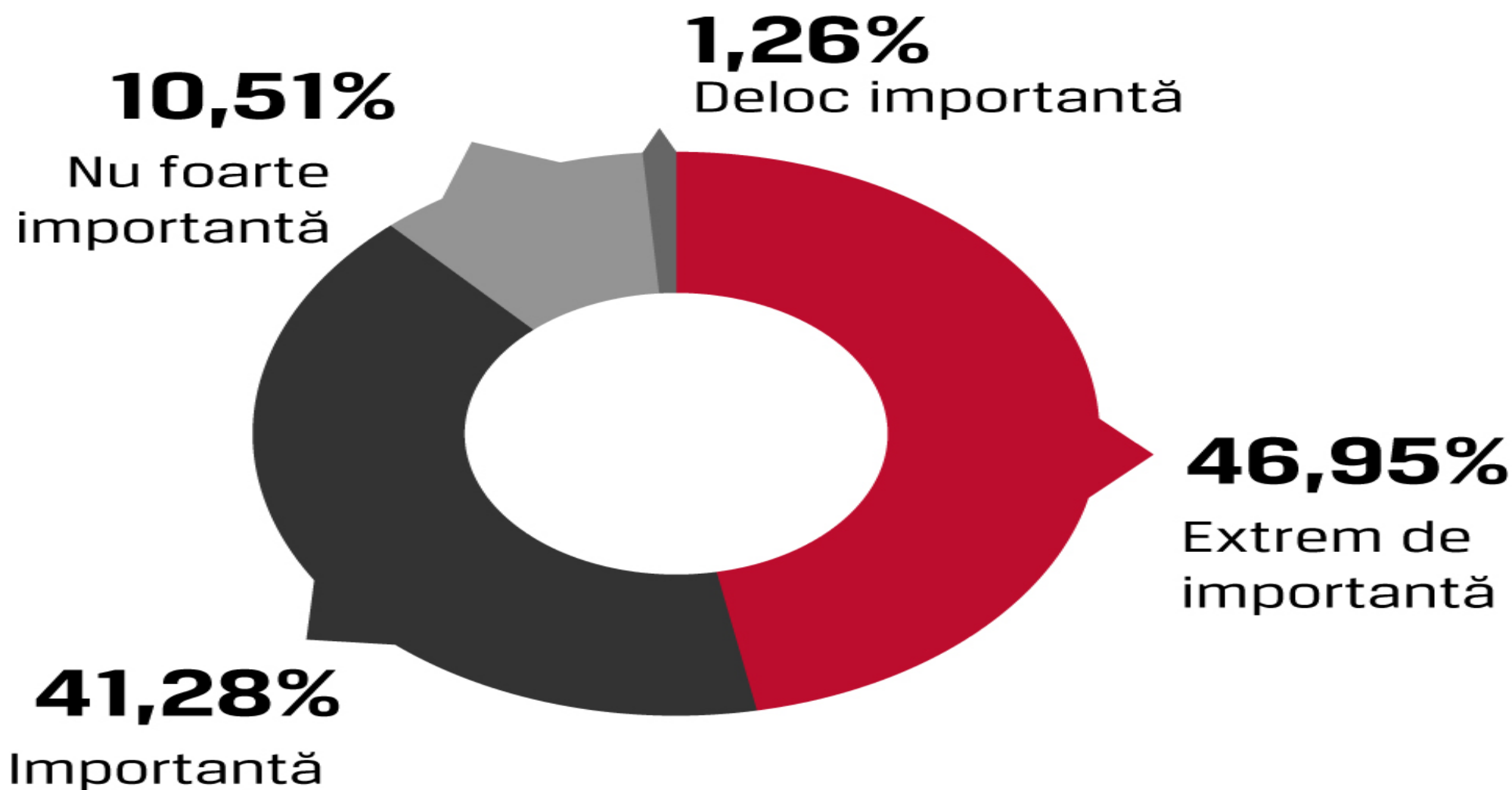
**2 din 3** angajați nu cunosc principalele prevederi ale directivei europene cu privire la protecția datelor



# Principala metodă de transfer al datelor sensibile în cadrul companiei:



# Importanța securizării transferului de date în cadrul companiei, conform angajaților:

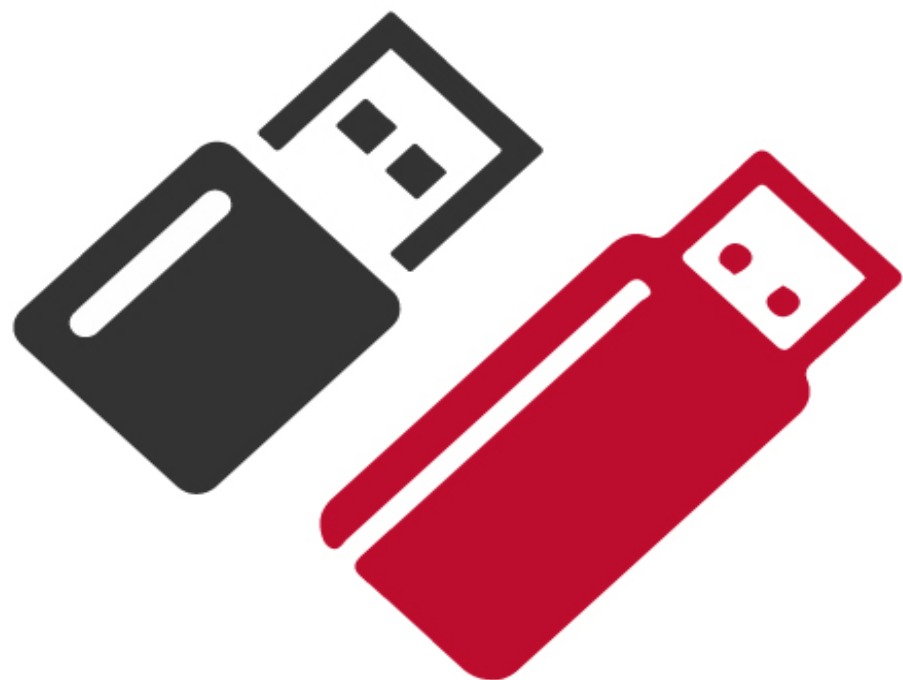


# 80%

din angajați se așteaptă  
ca bugetul companiilor  
dedicat securității digitale  
să crească



Care e primul brand la care vă gândiți când vine vorba de stick-uri cu criptare?



Kingston	57,60%
SanDisk	12,75%
ADATA	7,85%
Verbatim	6,45%
IronKey	5,05%
Transcend	2,59%
Kanguru Solutions	1,26%
LaCie	1,05%
Apricorn	0,35%
Imation	0,35%
Altul	4,70%

**Thank you and don't forget  
and stay safe and secure!**

ggidea@kingston.eu

