

Introducing DISK46

Automated full-disk encryption for CRA-compliant
Raspberry Pi deployments.

The background of the slide features a dark navy blue color. Overlaid on this are several thin, light orange lines and circles of varying sizes, creating a sense of depth and motion. One large circle is positioned on the left side, while several smaller circles are scattered across the right side, some overlapping each other.

The Challenge & The Solution

“ CRA Compliance is no longer optional—it is a prerequisite for the EU market. ”

The Challenge

◀ THE COMPLIANCE GAP ▶

Hardware lacking a Secure Element
(e.g., Raspberry Pi) cannot pass mandatory
CRA & GDPR audits, risking market exclusion.

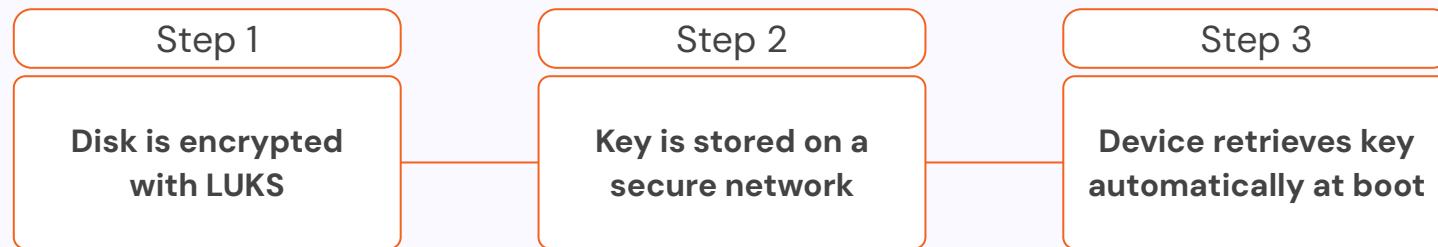
The Solution

◀ DISK 46 ▶

Automated, hardware-agnostic encryption.
Keep your products on the market
without hardware changes.

How Does It Work?

DISK46 **automates LUKS full-disk encryption for Raspberry Pi** by offloading decryption keys to a secure network, ensuring CRA-compliant data confidentiality with a completely hands-off boot process.



Beyond Compliance: Unique Image per Device

To comply with CRA and GDPR requirements, IoT devices must protect data at rest using full-disk encryption. DISK46 assigns each device a unique encryption key and disk image, ensuring strong cryptographic isolation per unit. This approach secures every Raspberry Pi deployment individually, without introducing complexity or friction into the manufacturing process.

	Without a unique image	With a unique image
One Compromised Key	Entire fleet at risk	Minimal/none affected

- ✓ Security: Eliminates the "break one, break all" risk of shared keys.
- ✓ Compliance: Fully meets CRA and global cybersecurity standards.

Ensuring Resilient Security: Online & Offline

DISK46 requires an internet connection to decrypt the IoT device.

If Internet Connection Fails

the device will **repeatedly attempt to connect** for secure decryption.

In Emergencies

manual disk decryption is possible using the device-specific key.

Flexible Infrastructure & Compliance

- ✓ Standard: Hosted on AWS (Europe) to support CE-certified devices.
- ✓ Sovereignty: For high-security clients, the server can be on local.
- ✓ Scalable: Built to adapt to evolving international cybersecurity mandates.

Experience DISK46: Evaluation & Demo

Get your Raspberry Pi CRA-compliant encryption with just One Click!

Try DISK46 for Free!

You can [download a free demo .img file](#) to test DISK46 on your own Raspberry Pi or compatible device.

Fill in your name, organization, and email address.

You'll immediately receive a download link to the DISK46 demo image (.img file) and installation instructions by email.

The demo is for evaluation purposes

First Name *	Last Name
<input type="text"/>	<input type="text"/>
Company Name *	
<input type="text"/>	



scan to visit

- Available for multiple operating systems.
- No functional limitations compared to production.
- Available in 32GB images.

Note: Demo uses a static evaluation key; Production generates unique per-device keys to meet full CRA requirements.

Pricing Options

Item	Onboarding
Software Only <ul style="list-style-type: none">Standard DISK46 images<i>Includes production rights & updates/support</i>	€25 for 32GB €35 (64GB), €45 (128GB)
Physical Flash Drive <ul style="list-style-type: none">Includes SD card & shipment	€10

Note: Maintenance is 50% of the onboarding fee, charged annually.

Contact

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