


# Introducing DISK46

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

Abstract geometric lines in a light blue color, consisting of several overlapping circles and arcs that sweep across the bottom half of the slide.

# 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.

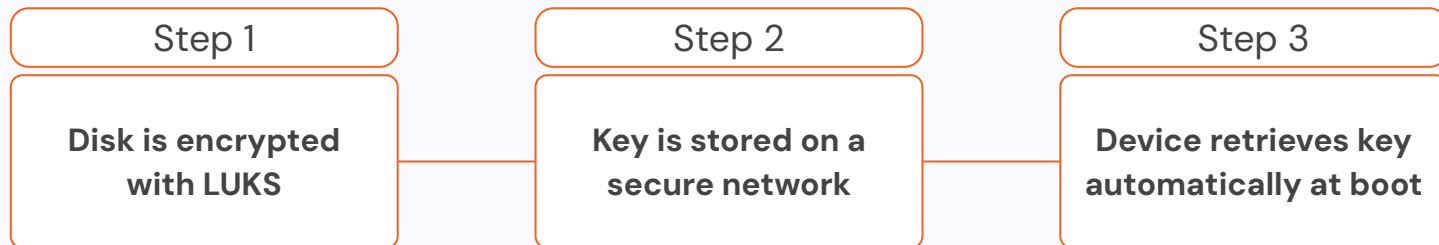
## The Solution

### < 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 \*

Company Name \*



< 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   |
|---|--|--|
| <b>Software Only</b> <ul style="list-style-type: none"><li>Standard DISK46 images</li><li><i>Includes production rights &amp; updates/support</i></li></ul> | <b>€25 for 32GB</b><br>€35 (64GB), €45 (128GB) | <b>€1,500 for<br/>up to 100 devices</b><br>-<br>€750 for<br>additional 100 devices |
| <b>Physical Flash Drive</b> <ul style="list-style-type: none"><li>Includes SD card &amp; shipment</li></ul>   | <b>€10</b>                                     |  |

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

# Contact

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