

# Product Brochure



## Utimaco C3 – a PCI PTS Certified Key Loading Device (KLD)



Utimaco  
C3

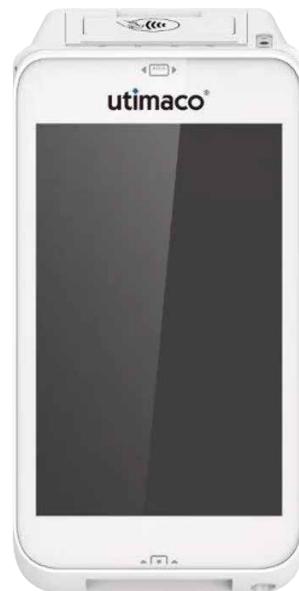
Creating Trust in  
the Digital Society

**utimaco®**

## A PCI PTS Certified Key Loading Device (KLD)

Introducing our cutting-edge PCI PTS Certified Key Loading Device – the Utimaco C3. It's at the pinnacle of security and efficiency for seamlessly integrating with Utimaco Hardware Security Modules (HSMs) and Key Management appliances that require secure Key Loading. It elevates the security protocols to new heights with our state-of-the-art solution.

The Utimaco C3 stands as a beacon of security, designed to seamlessly integrate with Utimaco Hardware Security Modules (HSMs). PCI PTS certification ensures the highest standards of security, making it the ideal solution for cryptographic key management.

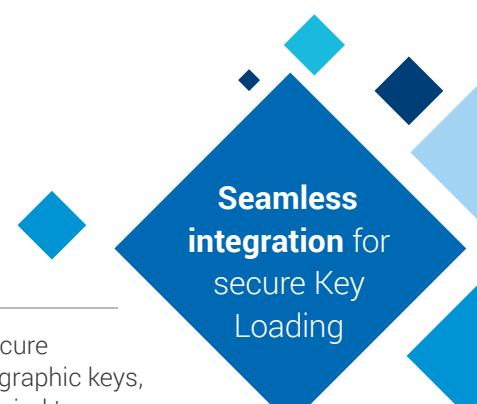


### Key Features

#### **PCI PTS Certification:**



- Demonstrates compliance with the Payment Card Industry's rigorous security standards for the key loading device (KLD) approval class.
- Guarantees the secure handling of cryptographic keys, offering peace of mind to users.



**Seamless integration for secure Key Loading**

#### **Effortless Integration:**



- Seamlessly integrates with Utimaco Hardware Security Modules and Key Management, streamlining key loading processes.
- Simplifies cryptographic key management for enhanced operational efficiency.

#### **Secure Input Mechanism:**



- Enables the secure entry of clear text PINs and key components, ensuring data integrity.
- Facilitates secure reading and writing of data to Utimaco Smart Cards (sold separately).

#### **User-Friendly Interface:**



- Intuitive design for ease of use, reducing the learning curve for operators.
- Enhances productivity with swift and straightforward key loading capabilities.



## Application



**Utimaco**

Atalla AT1000 HSM's

- Integral component for Security Administrators and Backup Operators.
- Used in conjunction with the Secure Configuration Assistant for Windows and Atalla Smart Cards.



**Utimaco**

KeyBRIDGE 4100 UKM

- Load multiple clear-text private and secret component/shares securely and compliantly
- KeyBRIDGE 4100 smart cards are personalized to cardholders, and each establishes an independent encrypted channel ensuring the protection of component/shares throughout the process



### Global Compatibility

- Designed to operate in diverse global environments.
- Adaptable to the unique needs of regional and multinational enterprises.



### Security Assurance

- Built with Utimaco's commitment to robust security practices.
- Safeguards cryptographic keys with the highest level of protection.



### Maintenance

#### Recharge Recommendation:

- It is highly recommended to recharge the device every three months for optimal performance.



### Future-Ready

- Designed to evolve with changing cybersecurity landscapes.
- Future-proof your cryptographic key management with the Utimaco C3 Key Loading Device.



### Easy to Use

- Now, the easy-to-use GUI with natural event and decision flow is even more convenient to navigate improving security administrator user experience and productivity.

## Physical and Logical Security

Utimaco C3 is an integral part of the Utimaco security portfolio that is compliant to PCI's key loading device (KLD) approval class.

The UTIMACO C3 is tamper reactive and has tamper-evident seals. Together, the Utimaco C3 KLD, smartcards, HSM & key management portfolio are leaders in meeting industry needs for end-to-end protected HSM Initialization and remote management with key loading.

## Smart Cards

Utimaco smart cards are personalized to individual cardholders, such as security administrators, IT managers, or executives. An organization defines its own security policy by setting the minimum number of cardholders required to approve each type of security action. The smartcards use public key cryptography to establish an encrypted channel with Utimaco HSMs and key management appliances. All subsequent communication between these devices is encrypted. A cryptographic bond is formed between the smart cards and the Utimaco HSM products they configure and manage.

## Cryptography Support

The Utimaco C3 when integrated with Utimaco HSMs supports AES 128, 256-bit keys along with legacy single-length DES, 2-key and 3-key triple DES, public key cryptography Atalla Key Block key management, and legacy variant key management without storing any cryptographic material locally.

# Technical Specifications



## Physical Dimensions

### USB Drive (SCA-W)

- H x W x D:  
0.37 x 3.5 x 1 inches  
(0.94 x 8.89 x 25.4 cm)
- Weight:  
1.3 oz (37.0 g)

### UTIMACO C3

- H x W x D:  
3 x 4.5 x 8.75 inches  
(7.62 x 11.43 x 22.23 cm)
- Weight:  
24.69 oz (700 g)

### Administrator Smart Card Jewel Kit with 3 Cards

- H x W x D:  
0.37 x 3.5 x 2.37 inches  
(0.94 x 8.89 x 6.02 cm)
- Weight:  
1.3 oz (37.0 g)

### Backup Operator Card Jewel Kit with 5 Cards

- H x W x D:  
0.74 x 3.5 x 2.37 inches  
(1.88 x 8.89 x 6.02 cm)
- Weight:  
3.2 oz (90.9 g)



## Utimaco C3 Operating Environment

### Temperature:

0°C to 35°C  
(32°F to 95°F)

### Relative humidity:

10% to 90%



## Application Upgrade

Application is user-upgradable with Utimaco supplied software



## Security

Tamper seals on the back of the UTIMACO C3. All cryptographic operations occur within the smart cards FIPS 140-2 Level 3 certified SCA-W media.



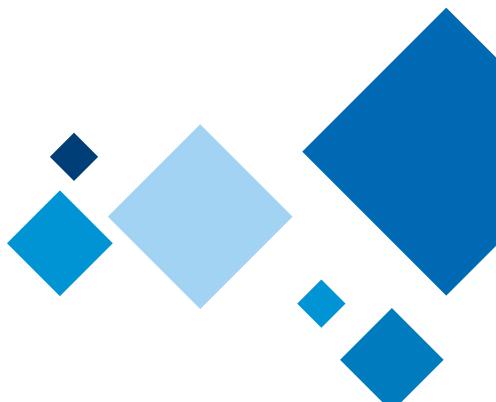
## Operating System Compatibility

Microsoft Windows 7

Microsoft Windows 10

The Utimaco C3 Key Loading Device is the epitome of security and efficiency, providing a secure bridge between Utimaco HSMs and cryptographic key management. PCI PTS certification, coupled with user-friendly features, positions this device as a reliable solution for enterprises seeking uncompromising security.

**Elevate your key management practices with Utimaco C3 – where security meets simplicity.**



For more information and specifications, please visit [utimaco.com](http://utimaco.com)

# About Utimaco

Utimaco is a global platform provider of trusted Cybersecurity and Compliance solutions and services with headquarters in Aachen (Germany) and Campbell, CA (USA).

Utimaco develops on-premises and cloud-based hardware security modules, solutions for key management, data protection, and identity management as well as data intelligence solutions for regulated critical infrastructures and Public Warning Systems. Utimaco is one of the world's leading manufacturers in its key market segments.

550+ employees around the globe create innovative solutions and services to protect data, identities and communication networks with responsibility for global customers and citizens. Customers and partners in many different industries value the reliability and long-term investment security of Utimaco's high-security products and solutions.

Find out more on [utimaco.com](http://utimaco.com)



Headquarters Aachen, Germany



Headquarters Campbell, USA





# Contact us



## EMEA

### Utimaco IS GmbH

📍 Germanusstrasse 4  
52080 Aachen,  
Germany

📞 +49 241 1696 200  
✉️ info@utimaco.com

## Americas

### Utimaco Inc.

📍 900 E Hamilton Ave., Suite 400  
Campbell, CA 95008,  
USA

📞 +1 844 Utimaco  
✉️ info@utimaco.com

## APAC

### Utimaco IS Pte Limited

📍 6 Temasek Boulevard  
#23-04 Suntec Tower Four  
Singapore 038986

📞 +65 6993 8918  
✉️ info@utimaco.com

For more information about Utimaco® products, please visit:

[utimaco.com](http://utimaco.com)

© Utimaco IS GmbH 01/24 – Version 1.1

Utimaco® is a trademark of Utimaco GmbH. All other named trademarks are trademarks of the particular copyright holder. All rights reserved. Specifications are subject to change without notice.