certgate

ONEKEY ID

ONEKEY ID (previously cgToken) is a wireless, flexible smart-card reader in a new, very compact form factor, like a car key.

Enables working wireless with mini SIM sized smartcard. ONEKEY ID supports Windows, Apple iOS, Android, Linux through Bluetooth Low Energy (BLE), NFC and USB. Discover unlimited use cases such as convenient 2-factor authentication, smartcard LogOn, distance auto log-off, mail and data encryption, etc.. Using ONEKEY ID®, your microSIM smart card will always stay safe – with you!

INNOVATIONSPREIS-IT
FINALIST 2017
initiative mittelstand
IT-SECURITY

TECHNICAL SPECIFICATION

- **Communication interfaces: Bluetooth LE™ (V4.1), NFC, USB[1]**
  - Easy operation with low power 128x128 memory LCD display
  - Bluetooth connection additionally protected by AES 256 encryption
  - Status & battery charge status indicator
  - Status indicator for Bluetooth™ connection
- **Simple 2-button operation:**
  - On / Off for power management
  - Pairing for secure, encrypted Bluetooth LE™ connection
- **Smart card support (for integrated smart card reader):**
  - Contact interface (ISO7816) for ID-000 cards („mini SIM cards")
  - NFC antenna for NFC enabled dual interface ID-000 mini SIM card via C4 and C8 ISO7816
  - Supported smart card protocol: T=1, T=0 / voltage: 1.8V/3V
  - SD/MMC interface (SPI Mode)[1]
  - Supports virtual any ID-000 card, JCOP, TCOS and others
- **Micro-USB interface:**
  - Smart card access via USB (CCID)
  - Flash memory access (8MB)
  - Power and battery charge
  - Secure firmware update
- **On board flash memory 8MB**
  - Windows ™ compatible exFAT file system for flash memory
- **Power supply via rechargeable battery**
- **Compact format and design, high quality synthetic enclosure with key ring bail**

YOUR BENEFITS

- ✓ Device independent through Bluetooth connections
- ✓ NFC interface for logical and physical access
- ✓ Compact design
- ✓ Easy operation thanks to energy-saving LCD display
- ✓ Flexible and customizable thanks to integrated card reader
- ✓ Maximum safety through EAL 5+ certified security chip

FEATURES OF THE ID-000 JAVA SMARTCARD (INCLUDED)

- Java Card ™ 2.2.2
- Global Platform 2.1.1
- Smart Card Controller: NXP P5CD081
- Common Criteria EAL5 + certifed, EMVCo hardware approval
- Smartcard Operating System: JCOP 2.4.1 R3
- Common Criteria level EAL4 + certifed, EMVCo platform approval
- 80 kb EEPROM usable, e.g. for certifcates or applets storage
- MIFARE option: MIFARE 4k
- Hash algorithms: SHA-1, SHA-224, SHA-256
- Symmetric encryption: DES / 3DES 56/112/168 bit and AES 256 bit
- Asymmetric encryption: RSA 2048 bit

Optionally available with Java Card ™ 3.0.1 Classic[2]
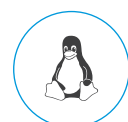
SUPPORTED PLATFORMS

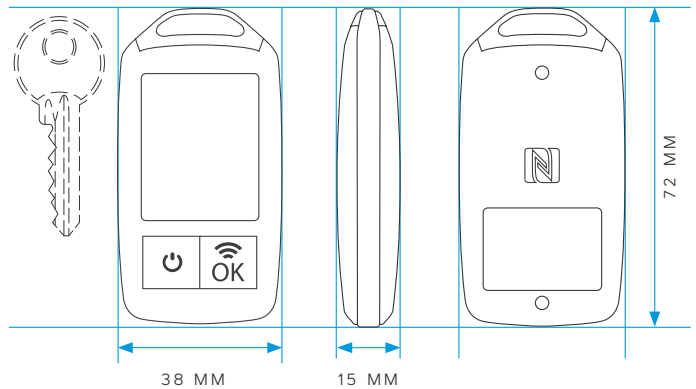iOS   Android   Windows 10   +[1]   Windows 7   macOS   Linux

DIMENSIONS

38 MM   15 MM   72 MM

USE CASE EXAMPLES

- Single Sign On for multiple devices (MSSO)
- Multi-factor authentication for devices & applications
- Easy authentication for mobile workers
- Devices Auto-log-off by distance measurement
- Healthcare, Hospitals:
  Non-contact authentication for protected areas

- Multi Cloud Service Authentication
- Secure voice & chat communication
- Secure email communication and signature
- Physical access with electronic ID
- Off device key security
- And many more...

PATENTED TECHNOLOGY

With the patented technology of the ONEKEY ID (Patent No .: US-2016-0012327-A1), you are state-of-the-art and therefore ideally equipped for the modern requirements of your IT. With the included and EAL5 + certified JAVA smartcard you have the ideal combination for maximum IT security.

ONEKEY ID
FITS PERFECTLY TO:

ONKEY MAIL[1]   cgTunnel   cgPhone[1]

DELIVERY

Minimum Order Quantity: one piece, includes

Larger quantities: on request

- ONEKEY ID
- ID-000 smart card
- USB cable
- Quick Start Guide online

INTEGRATION FOR DEVELOPERS

Driver and SDK available for:

- Windows 10
- iOS from version 9
- Android from version 5.0
- via ONEKEY BRIDGE integration into virtually any operating system through CCID1

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