

# ID 1xx Series Cryptoterminals

## Trusted Hardware Security for Mobile Identity Solutions

The ID 1xx series devices are ideal for mobile and desktop computing platforms requiring registration and identity verification during administrative processes or Application work flows that verify and validate user authenticity with smartcards.

The crypto terminals all come with options for Onboard Encryption, Anti-Tamper, Secure PIN entry and select version are available for the Apple iOS, Android, Windows and other CCID Compliant Operating Systems. These products provide an ideal solution for mobile Applications that needs to read PIV, CAC, EMV and/or NFC identity solutions.

Our terminals can be used with IDENTOS Encryption-as-a-Service to have secure hardware key management for E-2-E secure solutions and hosting secure digital identities.

Made in Germany: Tailored integration and custom development options available.



ID100 U/L Devices

Smartcard Interface



ID105U Devices

NFC Interface



ID110 U/L Devices

NFC Interface

Smartcard Interface



ID110 U/L-K Kiosk

Smartcard Interface  
NFC Interface

# ID 100 Cryptoterminal



## Technical Specifications

### Operating Systems and Connectivity

|            |                     |
|------------|---------------------|
| iOS 6+     | Lightning Connector |
| Android 4+ | Micro-USB           |

### Interfaces and Security

|                            |  |
|----------------------------|--|
| Host interface             | Full two-way USB 2.0 up to 12 Mbit/s         |
| Contact card interface     | ISO 7816 Class A, B, EMV GIE-CB WHQL         |
| Contactless card interface | N/A  |
| PIN Entry                  | Secure Scrambled PIN Pad Option              |
| Encryption                 | AES 128/256bit Onboard                       |
| Enclosure Power            | Powered 5V – USB (Device Charging Available) |
| Physical Security          | Tamperproof design option                    |

### Specifications

|            |                       |
|------------|-----------------------|
| Dimensions | 59 mm x 48 mm x 10 mm |
| Weight     | 33 g                  |

### Operating Conditions

|               |                            |
|---------------|----------------------------|
| Temperature   | 0...50°                    |
| Humidity      | 0...80% non-condensing     |
| Environmental | RoHS 2                     |
| Warranty      | 12 months limited warranty |

Features and technical data subject to change

# ID 105 NFC Terminal



## Technical Specifications

### Operating Systems and Connectivity

|                  |  |
|------------------|--|
| Operating System | CCID Compliant USB (Osx, Windows, Linux, Andriod 5+) |
| Connection       | Micro-USB  |

### Interfaces and Security

|                            |                                      |
|----------------------------|--------------------------------------|
| Host interface             | Full two-way USB 2.0 up to 12 Mbit/s |
| Contactless card interface | ISO 14443, ISO 15693, NFCIP, MIFARE, |
| PIN Entry                  | N/A                                  |
| Encryption                 | Available in some models             |
| Enclosure Power            | 5V USB                               |
| Physical Security          | N/A                                  |

### Specifications

|            |                       |
|------------|-----------------------|
| Dimensions | 59 mm x 48 mm x 10 mm |
| Weight     | 33 g                  |

### Operating Conditions

|               |                            |
|---------------|----------------------------|
| Temperature   | 0...50°                    |
| Humidity      | 0...80% non-condensing     |
| Environmental | RoHS 2                     |
| Warranty      | 12 months limited warranty |

Features and technical data subject to change

# ID 110 Cryptoterminal



## Technical Specifications

### Operating Systems and Connectivity

|            |                    |
|------------|--------------------|
| iOS 6+     | Lighting Connector |
| Android 4+ | Micro-USB          |

### Interfaces and Security

|                            |  |
|----------------------------|--|
| Host interface             | Full two-way USB 2.0 up to 12 Mbit/s         |
| Contact card interface     | ISO 7816 Class A, B, EMV GIE-CB WHQL         |
| Contactless card interface | ISO 14443, ISO 15693, NFCIP, MIFARE,         |
| PIN Entry                  | Secure Scrambled PIN Pad Option              |
| Encryption                 | AES 128/256bit Onboard                       |
| Enclosure Power            | Powered 5V – USB (Device Charging Available) |
| Physical Security          | Tamperproof design option                    |

### Specifications

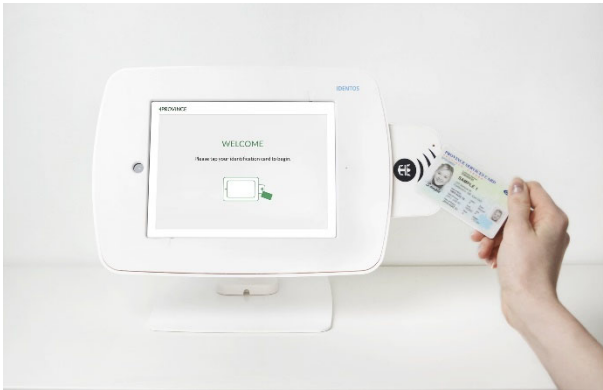
|            |                       |
|------------|-----------------------|
| Dimensions | 59 mm x 48 mm x 10 mm |
| Weight     | 33 g                  |

### Operating Conditions

|               |                            |
|---------------|----------------------------|
| Temperature   | 0...50°                    |
| Humidity      | 0...80% non-condensing     |
| Environmental | RoHS 2                     |
| Warranty      | 12 months limited warranty |

Features and technical data subject to change

# ID 110-K Kiosk Cryptoterminal



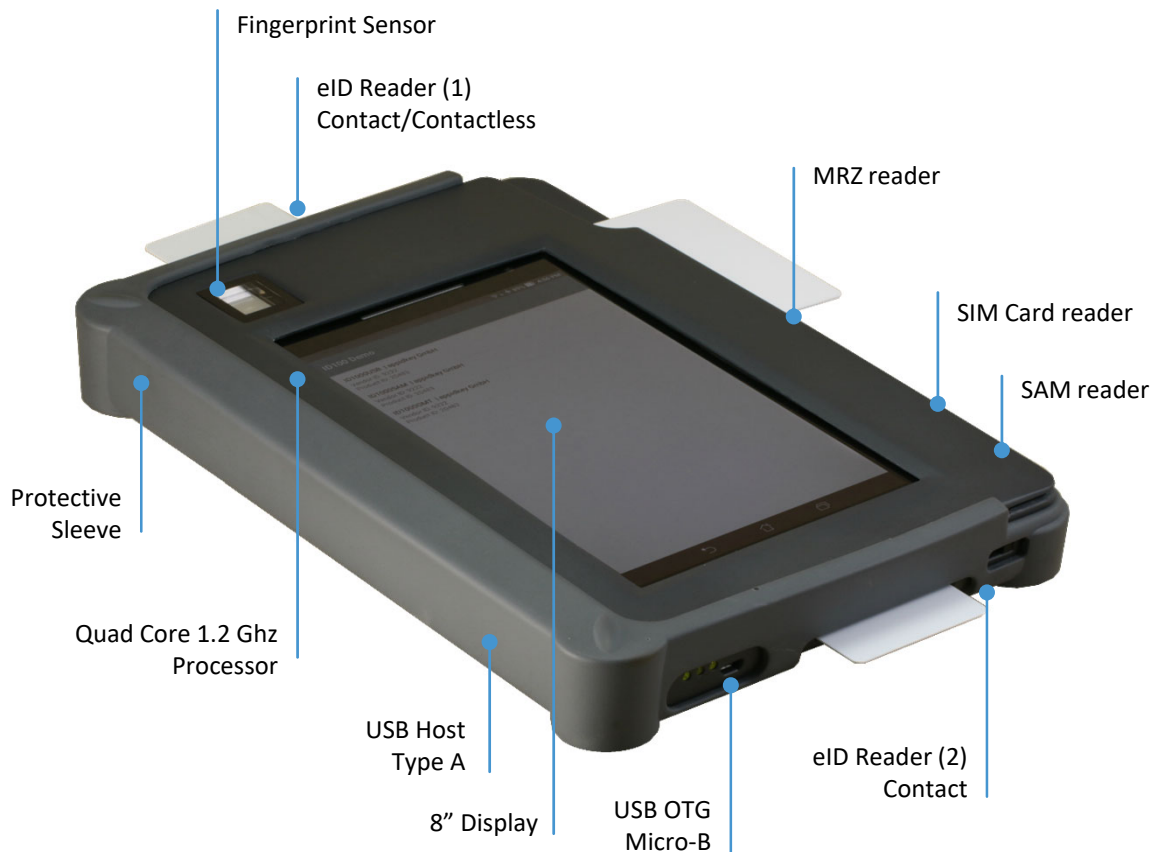
## Technical Specifications

| Operating Systems and Connectivity |  |
|------------------------------------|--|
| iOS 6+                             | Lighting Connector                           |
| Interfaces and Security            |  |
| Host interface                     | Full two-way USB 2.0 up to 12 Mbit/s         |
| Contact card interface             | ISO 7816 Class A, B, EMV GIE-CB WHQL         |
| Contactless card interface         | ISO 14443, ISO 15693, NFCIP, MIFARE,         |
| PIN Entry                          | Secure Scrambled PIN Pad Option              |
| Encryption                         | AES 128/256bit Onboard                       |
| Enclosure Power                    | Powered 5V – USB (Device Charging Available) |
| Physical Security                  | Tamperproof design option                    |
| Tablets                            | iPad 2, 3, 4, Air (tablet not included)      |
| Specifications                     |  |
| Dimensions                         | 310 mm x 230 mm x 20 mm                      |
| Weight                             | 569 g  |
| Operating Conditions               |  |
| Temperature                        | 0...50°                                      |
| Humidity                           | 0...80% non-condensing                       |
| Environmental                      | RoHS 2                                       |
| Warranty                           | 12 months limited warranty                   |

Features and technical data subject to change

# ID 1000 eID Tablet

## Trusted Hardware Security for eID Documents



The ID 1000 is an integrated tablet computing platform used for registration and identity verification during administrative processes, such as Know Your Customer (KYC), voter registration, and eID activation.

Trusted security elements, combined with an Android operating system and mobile apps, enable governmental organizations, financial institutions and security operations to optimize processes with a highly secure mobile platform.

Made in Germany: Tailored integration and custom development options available.

# ID 1000 eID Tablet

## Technical Specifications

| Host Device                           |  |
|---------------------------------------|--|
| Operating System                      | Android 5.0  |
| Display size                          | 8"   |
| Screen Resolution                     | 800 x 1280   |
| Processor                             | Quad Core 1.2 GHz  |
| RAM                                   | 2 GB   |
| Memory                                | 16 GB  |
| Wireless                              | 802.11 b/g/n, Bluetooth 4.0                                |
| Data Connection                       | 2G,3G,4G   |
| Security                              |  |
| PIN Entry                             | Secure Scrambled PIN Pad                                   |
| Encryption                            | AES 128/256bit Onboard                                     |
| Cryptoterminal / Smartcard Reader (1) |  |
| Contact interface                     | ISO 7816 Class A/B/C, fully EMV GIE-CB WHQL compliant      |
| Contactless Interface (optional)      | ISO14443, ISO15693, MIFARE, NFCIP                          |
| Form factor                           | ID-1 Cards, partial insertion                              |
| Cryptoterminal / Smartcard Reader (2) |  |
| Contact interface                     | ISO 7816 Class A/B/C, fully EMV GIE-CB WHQL compliant      |
| Form factor                           | ID-1, full insertion                                       |
| Cryptoterminal / SAM Reader           |  |
| Contact interface                     | ISO 7816 Class A/B/C, fully EMV GIE-CB WHQL compliant      |
| Form factor                           | ID-000 (Mini-UICC/Micro-SIM), fully insertion              |
| Fingerprint Sensor                    |  |
| Type/Resolution                       | Optical / 500 dpi  |
| MRZ Reader - Optional                 |  |
| Read Capabilities                     | OCR-B, E13B, MRP/MRV/ID, 2L/44C, 2L/36C, 3L/30C, 1L/30C    |
| Integration options                   | Integrated reader module, Software only (onboard camera)   |
| Barcode Reader - Optional             |  |
| Read Capabilities                     | Linear/1D, Stacked/2D                                      |
| Integration options                   | Software only (onboard camera) or integrated reader module |
| Enclosure                             |  |
| Battery                               | 8000 mAh Li-Ion  |
| Dimensions                            | 270 x 185 x 35 mm  |
| Weight                                | 1160 g   |
| Warranty                              | 12 months limited warranty                                 |
| Accessories                           | Protective Sleeve, mounting brackets                       |

Features and technical data subject to change