

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+	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	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

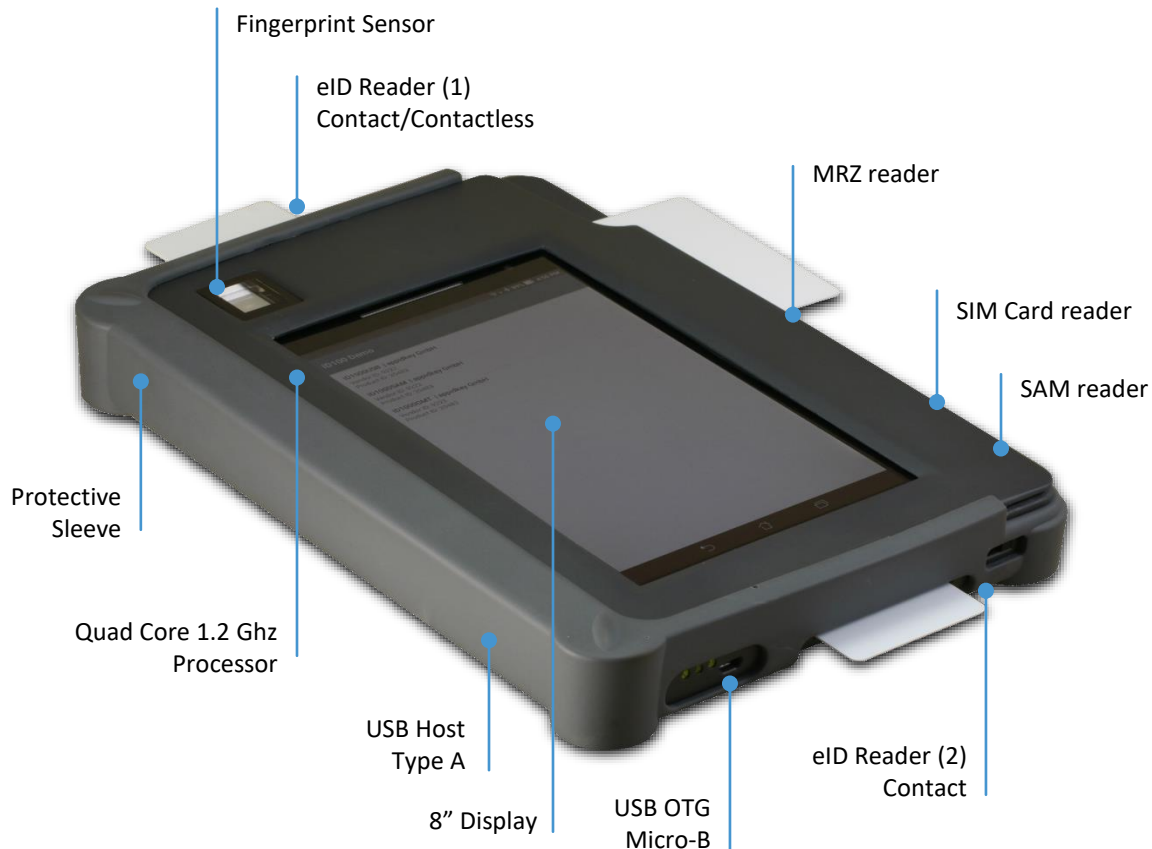
Operating Conditions

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

Features and technical data subject to change

ID 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