

PRODUCT DATASHEET

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Single action e-Document verification



Elyctis ID BOX One allows a one-step verification of an ePassport or an e-ID Card. With its innovative shape, the user scans the MRZ, and reads the content of the chip all at once, in a single movement.

With ID BOX One, e-Document verification is quick and easy in a variety of situations where full-page scan is not required: automatic airline check-in, hotel check-in, banks, cars rental companies, user interaction with administrations, etc.

ID BOX One firmware ensures fast and accurate reading together with complete protocol and RFID interoperability.



ID BOX One supports all industry standards: ICAO, IAS, ISO-7816, ISO-14443, PC/SC, and FIPS. It is compliant with all ICAO specifications and recommendations: BAC, PA, AA, EAC and SAC. In addition, Elyctis ID BOX One is also able to read ISO 7816 format cards, such as ID cards, residence permits, or driving licenses.

APPLICATIONS

- ~ Police identification
- ~ Airport check-in
- ~ Self service terminals
- ~ Border control
- ~ Hotels
- ~ Banks
- ~ Car rental companies

PRODUCT RANGE

	ID BOX One 111	ID BOX One 121	ID BOX One 151
MRZ scanner	✓	✓	✓
Contactless reader		✓	✓
Smartcard reader			✓ (2 units)
SAM reader			✓

FEATURES

General	
Connection mode	USB
Communication framework	Windows, Linux, Android
Dimension	140*90*105 mm (ID BOX One 121) 140*90*115 mm (ID BOX One 151)
Operating temperature	-20°C to +40°C
Storage temperature	-40°C to +85°C
Input Voltage	5.0V (USB powered)

ISO ID-1 (smartcard) & ISO ID-000 (SAM)	
Number of ID-1 slots	2 (ID BOX One 151 only)
Number of SAM Slots	1 (ID BOX One 151 only)
Communication Mode	USB 2.0 – full speed (12Mbps)
Protocol	CCID
Software	PC/SC 2.01 compliance for Windows, Linux, Android PC/SC .Net Wrapper
Supported Protocol	ISO 7816 – T=0 & T=1 EMV2011 4.3 level 1 Memory cards supported through M-Card API
Speed	Baudrate up to 600Kbps TA1=97 supported
Clock Frequency	ISO 7816 compliant up to 5MHz. Operates up to 12MHz
Supported Types	5V, 3V, 1.8V, ISO 7816 Class A/B/C

Contactless	
Communication Mode	USB 2.0 – full speed (12Mbps)
Protocol	CCID
Software	PC/SC 2.01 compliance for Windows, Linux, Android PC/SC .Net Wrapper
Supported Protocol	ISO 14443 Part 1 to 4 type A/B T=CL & Mifare Complete Mifare Family supported (Ultralight, 1K, 4K, DESFire EV1, Plus, SmartMX...)
Number of antennas	2
Speed	Baudrate up to 848Kbps
FW	Field upgradable FW Support to configure RF Pass-through command to communicate with lower protocol layer

MRZ scanner	
Communication Mode	USB 2.0 – full speed (12Mbps)
Font Type	OCR B
Document Type	1>1 line MRZ (IDL, CAN...) 2 lines MRZ (ID2 cards, ePP) 3 lines MRZ (eID)

SDK	
E-passport API	yes