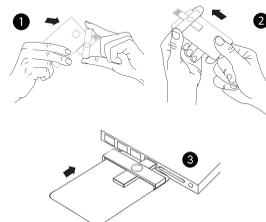


ID1 format smart card reader Portable ergonomic design

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Plug & Play - CCID compliant for easy plug & play (no additional USB driver is required of operating systems supports CCID).
 Readily compliant - meets all relevant industry standards.
 Unique design & form factor - the small size makes it an ideal reader for personal and business usage.
 Suits Any Application – Compatible with virtually any smart card and major PC operating systems.
 The "iD" usb reader is a fully compliant with iso 7816.



FEATURES

Compact size smart card reader/writer

TYPICAL APPLICATIONS

- e-Identification
- e-Government
- e-Banking and e-Payment
- e-Healthcare
- e-Commerce
- Estonian e-Residency
- Public key infrastructure / digital signature
- Network Security
- Access Control system
- Loyalty Program
- Pre-paid card system



SPECIFICATIONS

Dimensions	57mm [L] - 7.7mm [H] - 12.56mm [W]
Weight	5 g
IC	RTS 5169
Power supply	DC + 5V Built-in 3.3v regulator for single 5v operation
Operating temperature	0° - 70° C
Operating humidity	20 - 95 %
Host Interface	Serial (RS232/TTL) & USB 2.0 CCID (also compliant with USB 1.1)
Transmission speed	12 Mbps (USB 2.0 full speed) 115,200 kbps (serial)
Standards	ISO 7816 & EMV 2000 ver.4.1 Level 1
Protocols	T = 0, T = 1 2-wire SLE 4432/42 (S=10) 3-wire SLE 4418/28 (S=9) I2C (S=8)
Smart Card Interface speed	420 Kbps (when supported by card)
Smart Card clock frequency	Up to 8 MHz
Supported Card types	5V, 3V and 1.8V Smart Cards ISO7816 Class A, AB and C
Card size	ID-1 (full-size)
Card Thickness	0,76 mm ± 0,08 mm
Power to Smart Card	60mA
Power consumption	Power on 100mA max, Short circuit protection
Smart card contact resistance	0.5 Ohm max between two line
Ripple	100 mVp-p max
Smart card detection	Movement Detection with auto power-off Automatic Detection of Smart Card type Short Circuit and thermal protection
8 Pin Handling	C4 / C8 supported
Supported APIs	PC/SC driver (ready for 2.0 1)CT-API (on top of PC/SC) Synchronous-API (on top of PC/SC) OJCF (on top of PC/SC) I2C (on top of PC/SC)
PC/SC Driver Support	XP SP3 32/64 Bit 2003 Server Windows® CE 5.0 / CE NET (depending on hardware) Windows® Vista (32 /64 bit), Windows® 8 Mac® OS X (Power PC / Intel) Linux®
Drivers	CCID-compliant (Mac® OS X, Windows®, Linux®)
Status indicator	1 led indicator (WHITE)
Compliance / Certification	Certification Microsoft® WHQL EMV 2000 Level 1 ISO 7816 USB 2.0 (USB 1.1 compatible) CCID
Safety / Environmental	FCC, CE, ROHS
Color	Black and White matte
Composition	PC
Life cycle durability	100,000 + insertions
Warranty	Two year manufacturer's warranty