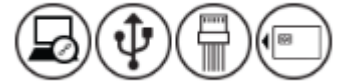


The evaluation kit reader CT1 OEM is a Smart Card reader module; compliant with ISO7816 and EMV Level 1. Easy to use, plug and play it can be integrated everywhere: vending machines, kiosks, voting machines, ID verification etc. This evaluation kit is composed by the chip AT90SCR of WISEKEY and by ABC SMARTCARD EMV Level 1 firmware.



• **TYPICAL APPLICATIONS :**

Kiosks / Vending Machines



P.O.S / Payment Terminal



ATM



Voting Machines



Access control/Logical access



Healthcare



Network Security
Secure Log On



Identity



• **CUSTOMIZATION / OPTIONS ON DEMAND :**

Graphic display LCD monochrome 128x64

Keyboard 18 key, output IO, LED, Buzzer / PID, VID and string descriptor parameter

Secure module and SAM, SAM HSP option



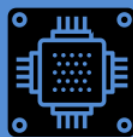
ABC CORE CT1 is also available in chipset version, 2 packaging: QFN32 and QFN64

To discuss about your project needs, contact us!

TECHNICAL SPECIFICATIONS

- Contact Smartcard reader interface :

ISO7816 and EMVco Level 1
 Support asynchronous card ISO7816-1,2,3,4 Protocol T=0, T=1, SAM HSP
 High-performance (up to 600Kbps depending on the card TA1=97)
 Support 5V, 3V, 1,8V Smart cards ISO7816 Type A,B and C
 Card Size : ID-1 (full size), ID-2 SIM size and external connector 8 pins
 Smartcard movement detection with auto power-off



- Support Synchronous card :

I2C, 2-wire: SLE 4432/42 (S=10), 3-wire SLE4418/28 (S=9), SLE5528, SLE4428, SLE5518, SLE5532/42, SLE4404/06, SLE4436, SLE5536, SLE6636, AT88SC101/102, AT88SC1003, AT88SC153, AT88SC1608, ST14C01/02/04/08/16/32/64/128/256/512/1024, ST14C02C/04C, GFM1K/2K/4K/8K

- HOST Interface

USB full speed PC/SC CCID
 5 V DC, 60mA (by USB or external power supply)
 Others interfaces available : RS232, 232 TTL, I2C, SPI
 GPIO input / Output
 Temperature operating 0°C / +55°C



CERTIFICATIONS

Microsoft WHQL
 EMV Level 1 v4.3 certified
 ISO 7816
 CCID v1.1
 PC/SC Workgroup



OTHER FEATURES

- Operating system

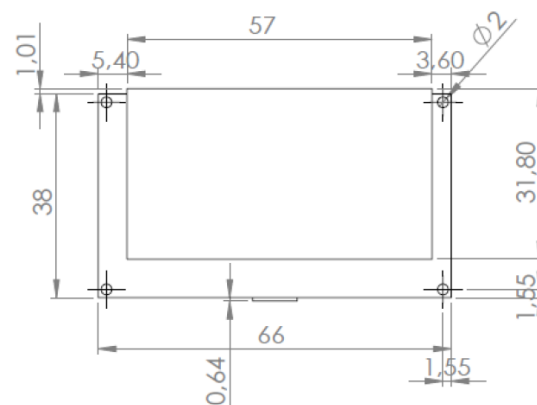
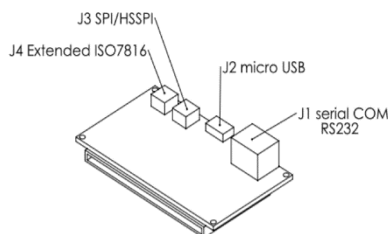
Windows 98, XP, 2000, Server 2003, x64, Vista, Seven, Windows 8, Linux
 Kernel 2.6, Android, Mac OS 10.3, G3, G4, G5, and more...

- Safety and Environmental Standarts

CE, VCC, FIPS, UL, ROHS Compliant

- Firmware Upgradable

- Dimensions : 66 mm (l) x 38 mm (L) x 9 mm (H)



ABC SMARTCARD develops firmware for contact and contactless smart card readers, as well as connected mobile objects designed to be industrialized by our customers in several types of applications: POS and payment terminals, access control, health, etc. Our core business is our expertise on products and services security, we develop for your needs, so you can acquire national/international certifications required for your project success.