

APG8201-B2 USB PINPad smartcard reader



The APG8201-B2 from ACS is a handheld USB smartcard reader device for secure PIN entry. This reader allows PIN entries to be made to the device itself rather than via a PC or workstation, removing the possibility of interception on the PC.

Fully compliant with PC/SC and CCID specifications, including PC/SC 2.01 Part 10 for Secure PIN Entry. The reader comes with WHQL approved Windows drivers, supporting operating systems such as Windows, Linux, Mac OS.

The housing includes an LCD display with 2 lines of 16 characters and a buzzer. With the correct software it is perfect for applications such as home banking, e-commerce and digital signature and identification.

The APG8201-B2 replaces the ACR83.

A secure contact smartcard reader with LCD display and keypad supporting secure PIN entry.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~855/apg8201-b2-usb-pinpad-smartcard-reader/p/index.shtml>

This Product Briefing has been produced by [Dot Origin Ltd](#), the smart card experts behind [SmartcardFocus.com](#). If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

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Technical Specifications

Dimensions: 3.74" x 2.36" x 0.51" (95 x 60 x 13mm)

Weight: 98g (+/- 5g for cable)

Colour: Black

Protocol: USB CCID

Power Supply: 5V USB powered

Operating Temperature: 32- 122F (0 - 50C)

Operating Humidity: Max 90% (non-condensing)

MTBF: 60,000hrs

Host Interface

USB CCID (Standard Type A USB)

Transmission Speed: 12 Mbps (USB full speed)

Contact Smartcard Interface

Supports Processor cards: following either T=0 or T=1 protocol

Protocol standards: ISO 7816 Parts 1-3, Class A (5V); T=0; T=1

Supported APIs: PC/SC

Supply current: Max 50mA

Smart card read/write speed: 1.743kbps - 250 kbps

Short circuit protection: (+5) V/GND on all pins

Clock frequency: 2MHz

Card connector type: ICC Slot 1: Contact

Card insertion cycles: Min 100,000

Human Interface

Display: Dot Matrix LCD 96 x 16 pixels, 16 characters x 2 lines

Buzzer: Monotone

Keypad: 20 keys

Compliance / Certification

Microsoft WHQL, RoHS 2, ISO 7816, CE, FCC

Operating System support

Windows 10, 8.1, 8, 7, Vista, XP, 2000

Windows Server 2012 R2, 2012, 2008 R2, 2008, 2003

Linux, Mac OS, Solaris, Android 3.1 and later

Manufacturer's part number: APG8201-B2

Manufacturer:ACS

Connection Method: USB