



APG8201-B2



Advanced Card Systems Ltd.
Card & Reader Technologies

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Product Overview



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The APG8201-B2 is a low-cost hand-held smart card device which supports Secure PIN Entry (SPE) that enables cardholders to perform protected or secured PIN entry while connected to a personal computer. The SPE functionality ensures that the PIN is not exposed to third party applications which addresses PIN vulnerabilities to a middleman attack.



APG8201-B2



Product Features



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Product Features



USB Host Interface

USB Full Speed (12 Mbps)
Protocol: USB CCID

Card Type Support

Full-sized Smart Cards
ISO 7816 Class A
MCU with T=0 and T=1 Protocol

Smart Card Interface

PC/SC
CCID
Secure PIN Entry (SPE)



Built-in Peripherals

Dot Matrix LCD
16 characters × 2 lines
Keypad: 146keys

Certifications/Compliance

PC/SC 2.0 Part 10 (SPE),
CE , FCC, RoHS 2,
Microsoft® WHQL

Operating System Support

Windows®, Linux®, Mac OS®,
Android™*



Product Value



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Flexible

May be used either as a USB smart card reader in a Windows based OS, Linux, MAC and even in an Android device.

Secure PIN

Compliant with PCSC Part 10 Secure PIN Entry (SPE) this device helps secure your PIN from middleman attacks by using the SPE feature.

Cost-effective

A powerful and durable reader which is also price competitive.

Compliance to Standards

Compliant with major standards.



Product Application



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Product Application



e-Government



Banking and Payment



e-Purse and Loyalty



Transportation



e-Healthcare

Sample Application



User browses an online website for any transaction



Connect the APG8201 B2 to terminal



Insert the Contact Card and Input PIN in keypad



Once user authentication is verified, the website will allow the transaction to continue



User transaction successful





Thank You!

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