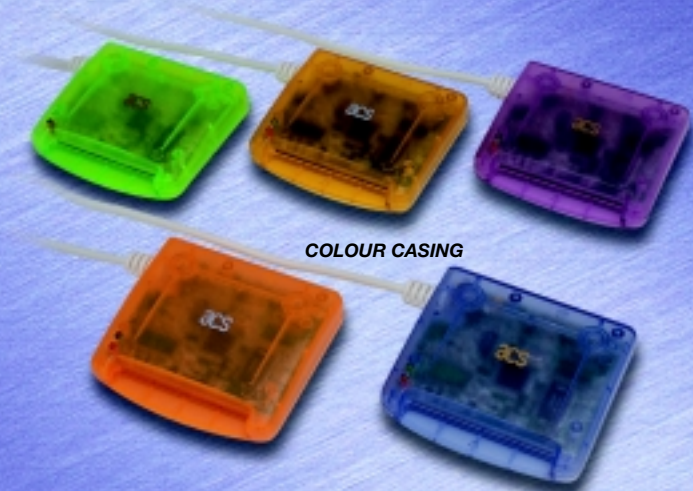


ACR20 Smart Card Reader/Writer

The first USB Smart Card Reader in the world



CLASSIC CASING



COLOUR CASING

This PC based smart card reader and writer from ACS is one of the most versatile products of this type available in the market today. This compact device can handle a very wide range of memory cards and microcontroller cards with T=0 and T=1 protocols. It can reside on a computer monitor or desk as a stand-alone device. With the built-in Security Access Module (SAM) slot, this device supports various high security applications, such as electronic commerce, secure information access, secure control access and multitudes of other applications. It is available in two models:

ACR20S - ACR20 with RS-232 serial interface

ACR20U - ACR20 with USB interface

In its classic casing, the **ACR20** is available in a variety of colors. Customization can also be done, depending on customer requirements.

The **ACR20** is also supplied in module form (ACM20). Retaining the full functionalities of the reader/writer, the reader module is ideal for integration in payphones, parking meters, vending machines, laundries, gaming machines, ATM's, sophisticated access control systems, and more.

Standard features for the ACR20 reader series:

- ISO 7816-1/2/3 and PC/SC Compliant
- Certified by CE, FCC, and Microsoft WHQL
- Read and write ALL microcontroller cards with T=0 and T=1 protocols
- Read and write the popular memory card types in the market:

- **Siemens:** SLE4406, SLE4436 (Eurochip), SLE4404, SLE4418, SLE4428, SLE4432, SLE4442, SLE5536 (Eurochip II)
- **Atmel:** AT88SC06, AT24C01-16, AT88SC101, AT88SC102, AT88SC1604
- **STMicroelectronics:** ST1305, ST14C02C, ST14C04C, ST1333(T2G cards), ST1335
- **Xicor:** X76F041, X24645, X76F128, X76F640, X76F100
- **Microchip:** XIIC, 24C65, 24C01SC, 24C02SC

Note: Card manufacturers using the above-mentioned chips may have different names for their cards. These cards are likewise supported by ACR20. Examples are:

- **Gemplus:** GPM103, GPM416, GPM896, GFM1K-8K, GPM2K, GPM8K
- **Schlumberger:** Primeflex Member 208/1K, Store 2K/8K, Entry, Open 2K/4K
- Interface library for efficient PC application software development
 - DOS static library files
 - 16-bit and 32-bit DLL files for Windows 3.x, Windows 95, 98, Me, NT and 2000
 - PC/SC compliant IFD handler
- Compatible with most PC platforms: DOS, Windows 3.x, Windows 95, 98, Me, NT and 2000, Linux
- Optional SAM slot for high security applications

Technical Specifications:

Interface	RS-232 (Serial) or USB
Supply Voltage	Regulated 5V DC
Supply Current	< 100mA (without smart card)
Operating Temperature	0 - 50 °C
CLK frequency	3.68 MHz
Standards / Certifications	ISO 7816-1/2/3, PC/SC, CE, FCC, Microsoft WHQL
Operating System Support	DOS, Windows 3.x, Windows 95, 98, Me, NT and 2000, Linux

ACS is member of the Microsoft Smart Card Associates Program

Advanced Card Systems Ltd.



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