



**Technical Specifications** 



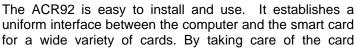
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### 1.0. Introduction

The ACR92 is a specially designed smart card peripheral for notebook and portable computers and complies with all major standards including PC/SC, FCC and ISO 7816. It is also EMV Level 1 Certified which makes it suitable for applications related to banking services and credit card payments.





specific particulars, the software engineers need not to understand the full technical details of the smart card/computer interface to carry out the implementation of a smart card system. It also allows future firmware and application upgrade.



#### 2.0. Features

- Read and write all microprocessor cards (MCU) with T=0 and T=1 protocols
- Support 5V and 3V smart cards
- Certificate of conformance: PC/SC, FCC, EMV 2000 Level1
- ISO7816-Class A and AB
- On-board flash provides firmware upgrades
- Transmission speed (with PC: 16Mbit/sec)
- Transmission speed (with Card: up to 344Kbit/sec)
- Win 98/ME/NT4/2000/XP/Server 2003/Vista/Linux, MacOS X
- 8MHz CLK frequency
- Sliding connectors (8 contacts)
- Min 100,000 card insertion cycles
- Microsoft PC/SC compliant application programming interface
- · Stainless steel case material
- 30g weight
- Compliant to PCMCIA mechanical specifications



# 3.0. Typical Applications

- Home Banking and Home Shopping
- Electronic Commerce
- Network access control
- Digital signature
- Physical access control
- Identification
- Online gaming

## 4.0. Technical Specifications



Power supply Host Interface.....PCMCIA Type II

Supply voltage .....5V

Type ......PC/SC, CT-API

**Smart Card Interface** 

Standard ......ISO 7816 Class A and AB

Smart card read / write speed......344,105 bps CLK frequency ......8MHz

Card connector ......sliding contacts (8 contacts)

Card insertion cycles......100,000 insertions

PCMCIA, Plug and Play support Туре .....

Physical Specifications

Type ......PCMCIA Type II card Dimensions ......85.6 x 54 x 5 mm Case material.....Stainless steel

Weight......30g
Operating Conditions

Temperature ......0 - 50° C

Certifications/Compliance

FCC, VCCI, cULus, RoHS Compliant, Microsoft WHQL 2000, Server 2003, XP, Vista, 7

**Device Driver Operating System Support** 

Windows ® 98, ME, 2000, Server 2003, XP, Vista, Server 2008, 7

Linux, Mac OS X





















