SMART FLOPPY SMART CARD READER

ACR39F-A2

ADAPTABLE & VERSATILE



ACS' ACR39F-A2 Smart Floppy is the ideal solution for easy integration of smart card readers into desktop environments. Adopting a USB interface, it is powered by the computer's internal power supply, and can be configured according to customers' preferences.

The ACR39F-A2 supports ISO 7816 Class A, B, and C smart cards, as well as different memory cards and microprocessor cards in the market with T=0 and T=1 protocol. It features a USB Full Speed interface and a smart card read/write speed of 600 Kbps, and is highly durable as it is able to last for at least 200,000 card insertion cycles.

Aside from being PC/SC and CCID compliant, the device's drivers are also compatible with operating systems such as Windows®, Linux®, macOS, Solaris™ and Android™ (Versions 3.1 and later).

With its widely applicable features, the ACR39F-A2 is sure to be the ideal solution for Security, e-Payment and e-Government applications.

KEY FEATURES

- ☑ **Supports Various Types of Contact Cards**
  - ISO 7816 Class A, B and C (5 V, 3 V and 1.8 V)
  - Microprocessor Card (T=0, T=1)
  - Memory Card
  - CAC, SIPRNET, and J-LIS Smart Cards
- ☑ **Reliable**
  - Certified for International Regulations
    - EN 62368/IEC 62368, CE, UKCA, FCC, RoHS, REACH, VCCI, Microsoft® WHQL, EMV™ Level 1 (Contact), J-LIS, ISO 7816, USB Full Speed
  - Mean Time Between Failures (MTBF) up to 500k Hours
  - Card Insertion Cycles: 200k Times
  - Short Circuit Protection
  - PPS (Protocol and Parameters Selection)
- ☑ **Compatible**
  - Supports All Major Operating Systems
    - Windows®, Linux®, macOS, and Android™ (Versions 3.1 and later)

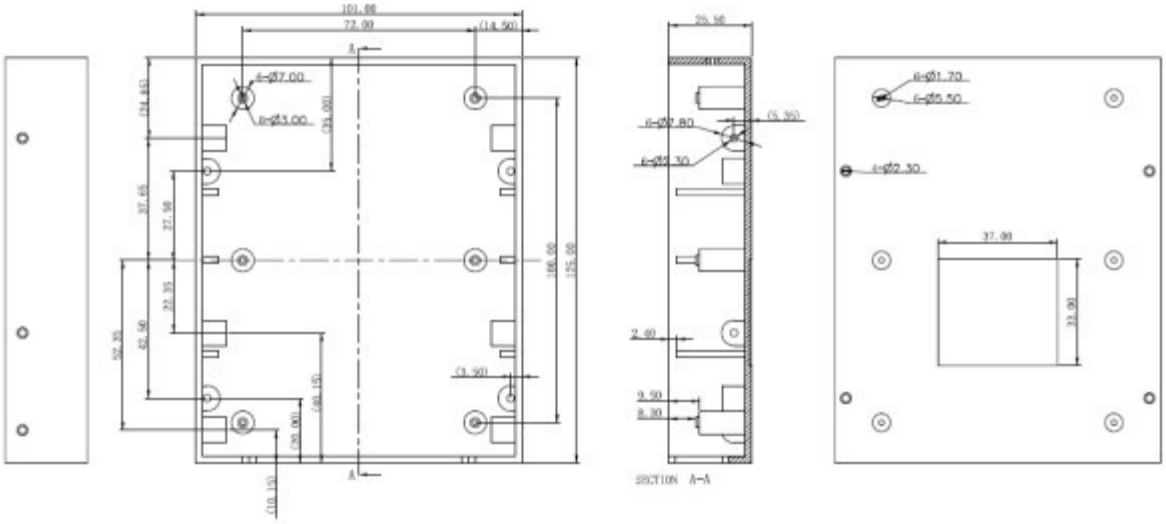
e-Government
e-Banking and e-Payment
e-Healthcare
Public Key Infrastructure
Network Security
Access Control
e-Purse and Loyalty

TECHNICAL SPECIFICATIONS

Contact Smart Card Interface	
Number of Slot(s)	1 Full-Sized Card Slot
Supply Current	Max. 50 mA
Supported Card Types	ISO 7816 Parts 1-4, Class A, B, C (5 V, 3 V, 1.8 V), Microprocessor Card (T=0, T=1), Memory Card, CAC, SIPRNET, J-LIS Smart Cards
Supply Current	Max. 50 mA
Read/Write Speed	9.6 – 600 Kbps
Clock Frequency	4.80 MHz; Operates Up to 16MHz
Card Connector	Sliding
Card Insertion Cycles	Min. 200,000
PPS (Protocol and Parameters Selection)	Supported
Short Circuit Protection	Supported
Host Interface	
Protocol	USB CCID
Connector Type	1 x 5 Pins Header Connector
USB Interface	USB 2.0 Full Speed (12Mbps) Compatible with USB 3.0
Power Source	From USB Port
Supply Voltage	5 V

Physical Characteristics	
Dimensions	125.0 mm (L) × 101.0 mm (W) × 25.5mm (H)
Weight	82.5 g
Color	Black
Built-In Peripheral	
LED	Green
Operating Conditions	
Temperature	0 - 60°C
Humidity	90% (Non-Condensing)
MTBF	500,000 Hours
Drivers & Support	
Driver Supported OS	Windows®, Linux®, macOS Android™
Model/Part Number	
Default	ACR39F-A2
Certifications	
System/Standards	EN60950/IEC 60950, ISO7816, USB Full Speed, EMV™ Level 1 (Contact), PC/SC, CCID, CE, FCC, WEEE, RoHS, REACH, Microsoft® WHQL
Application Programming Interface	
PC-Linked Mode	PC/SC

MECHANICAL SPECIFICATIONS



EMV is a registered trademark or trademark of EMVCo LLC in the United States and other countries.
macOS and Safari® are registered trademarks of Apple Inc., registered in the U.S. and other countries.
Windows® is a trademark of Microsoft Corporation in the United States and/or other countries.
Android™ and Google Chrome™ are trademarks of Google LLC.
Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.