CONTACT SMART CARD READER

ACR39T

STYLISH & VERSATILE



ACR39T is a high-speed USB contact SIM-sized smart card reader with a wide spectrum of features. It supports firmware upgrade, as well as ISO 7816 Class A, B and C smart cards (5 V, 3 V, 1.8 V), microprocessor cards with the T=0, T=1 protocol, and a wide variety of memory cards in the market.

The reader features a USB Full Speed Interface and a smart card read/write speed of up to 600 Kbps. This makes it ideal for a broad range of solutions, such as Physical and Logical Access Control, Digital Signature, and Online Banking.

Compliant with both CCID and PC/SC as well as Microsoft® WHQL, ACR39T designed to be integrated into any computer-based environment. Its drivers are also compatible with various operating systems such as Android™, Linux®, macOS, Solaris™ and Windows®, and is available in both USB Type-A and USB Type-C respectively.

KEY FEATURES

- ☑ **Basic Card read/write support**
- ☑ **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
- ☑ **Reliable**
  - Compliant with International Regulations
  - Mean Time Between Failures (MTBF) up to 600k Hours
  - Card Insertion Cycles: 30k Times
  - Short Circuit Protection
- ☑ **Compatible**
  - Supports All Major Operating Systems
    - Windows®, Linux®, macOS, Android™, Solaris™

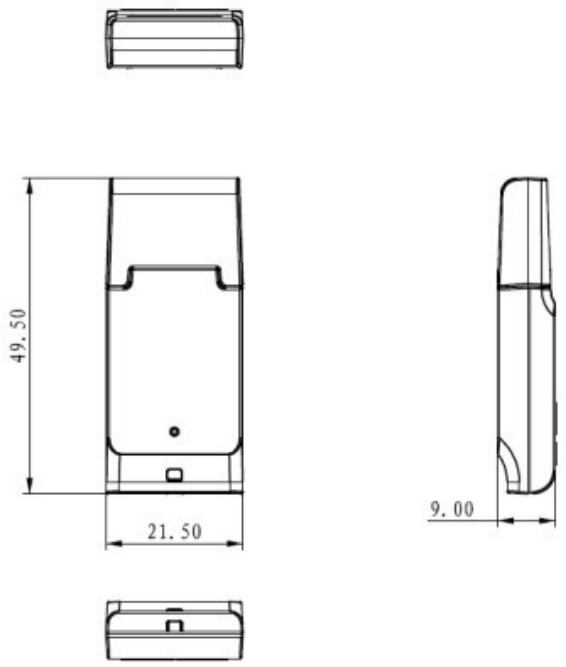
e-Government
e-Banking and e-Payment
e-Healthcare
Network Security
Access Control
Public Key Infrastructure
e-Purse & Loyalty

TECHNICAL SPECIFICATIONS

Contact Smart Card Interface	
Number of Slot(s)	1 SIM-Sized Card Slot (2FF)
Supported Card Types	ISO 7816 Class A, B, C (5 V, 3 V, 1.8 V), Microprocessor Card (T=0, T=1), Memory Card
Supply Current	Max. 50 mA
Read/Write Speed	9.6 – 600 Kbps
Clock Frequency	4.80 MHz; Operates Up to 16MHz
Card Connector	6pin Contact
Card Insertion Cycles	Min. 30,000
PPS (Protocol and Parameters Selection)	Supported
Short Circuit Protection	Supported
Host Interface	
Protocol	USB CCID
Connector Type	**A1:** USB Type-A
	A5: USB Type-C
USB Interface	USB 2.0 Full Speed (12Mbps)
	Compatible with USB 3.0
Supply Voltage	5 V
Application Programming Interface	
PC-Linked Mode	PC/SC

Physical Characteristics	
Dimensions	49.5 mm (L) × 21.5 mm (W) × 9.0 mm (H)
Weight	**ACR39T-A1:** 8.5 g ± 1.0 g
	ACR39T-A5: 7.1 g ± 1.0 g
Available Colour(s)	Black
Peripherals	
LED	Green
Operating Conditions	
Temperature	0 - 60°C
Humidity	Max. 90% (Non-Condensing)
MTBF	500,000 Hours
Certifications/ Compliances	
Standards	USB CCID, PC/SC, Microsoft® WHQL
Regulatory/ Environmental	CE, IEC/EN 62368, FCC, VCCI, RoHS, REACH, WEEE, UKCA,
OS Support	
Supported OS	Windows®, Linux®, macOS, Android™, Solaris™
Plug and Play	Supported
Model/Part Number	
Default [USB Type-A]	ACR39T-A1
Default [USB Type-C]	ACR39T-A5

MECHANICAL SPECIFICATIONS



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