



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.



ACR39T-A1
USB Type-A



ACR39T-A5
USB Type-C

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™

COMMON APPLICATIONS

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

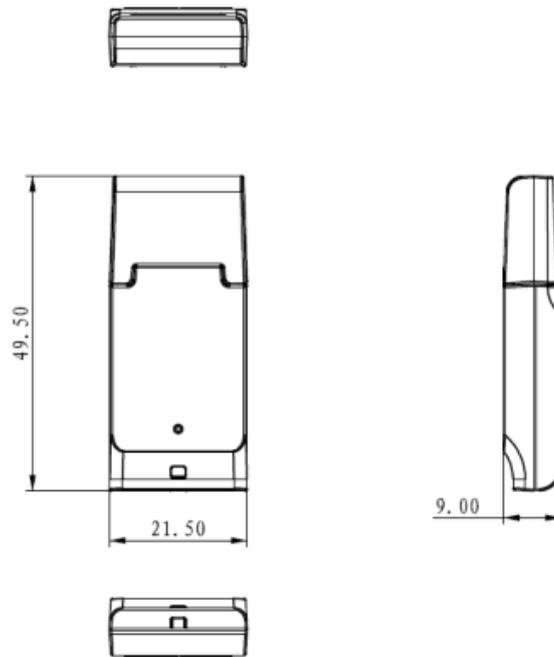


TECHNICAL SPECIFICATIONS

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



About ACS

Advanced Card Systems Ltd. (ACS), founded in 1995, is Asia Pacific's top supplier and one of the world's top 3 suppliers of PC-linked smart card readers. ACS is the winner of the Product Quality Leadership Award for Smart Card Readers from Frost & Sullivan. ACS was listed in Forbes Asia's "Best Under a Billion" list for several years, an inter-industry list comprised of 200 top-performing publicly listed companies in the Asia-Pacific, with sales between US\$5 million and US\$1 billion. ACS develops a wide range of high-quality smart card reading/writing devices, smart cards and related products and distributes them to over 100 countries worldwide.

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