

Smart Card Reader ACR39U-NF

General

ACR39U-NF is a portable smart card reader that has more to it than meets the eye. As small and elegant looking as it is, this smart card reader is capable of supporting demanding smart card applications using full-sized contact smart cards. It provides the perfect balance between reliable functionality and design aesthetics to meet your security needs in many fields, including e-Banking, e-Payment, and e-Government.

Feature

- USB 2.0 Full Speed Interface
- USB Type C Connector
- Plug and Play - CCID support brings utmost mobility
- Swivel Motion Design
- Smart Card Reader:
 - Supports ISO 7816 Class A, B, and C (5 V, 3 V, 1.8 V) cards
 - Supports CAC
 - Supports SIPRNET Card
 - Supports J-LIS Card
 - Supports microprocessor cards with T=0 or T=1 protocol
 - Supports memory cards
 - Supports PPS (Protocol and Parameters Selection)
 - Features Short-Circuit Protection
- Application Programming Interface:
 - Supports PC/SC
 - Supports CT-API CT-API (through wrapper on top of PC/SC)
- Supports Android™ 3.1 and later
- Compliant with the following standards

Specification

Dimensions	58.0 mm (L) × 20.0 mm (W) × 13.9 mm (H)
Weight	10 g
Color	White
Protocol	USB CCID
Connector Type	Standard Type C
Power Source	From USB por
Speed	USB Full Speed (12 Mbps)
Supply Voltage	5 V
Number of Slot	1 Full-sized Card Slot

Standard	ISO 7816 Parts 1-3, Class A, B, C (5 V, 3 V, 1.8 V)
Protocol	T=0; T=1; Memory Card Support
Supply Current	Max. 50 mA
Smart Card Read/Write Speed	9.6 Kbps – 600 Kbps
Short Circuit Protection	(+5) V/GND on all pins
Clock Frequency	4.8 MHz
Card Connector Type	Contact
Card Insertion Cycles	Min. 100,000
LED	Green
PC-linked Mode	PC/SC CT-API (through wrapper on top of PC/SC)
Temperature	0 °C – 60 °C
Humidity	Max. 90% (non-condensing)
MTBF	500,000 hrs
Certifications/Compliance	EN 60950/IEC 60950, ISO 7816, USB Full Speed, EMV™ Level 1 (Contact), PC/SC, CCID, CE, FCC, WEEE, RoHS 2, REACH TAA (USA), J-LIS (Japan), VCCI (Japan), PBOC (China), Microsoft® WHQL
Device Driver Operating System Support	Windows® XP, Windows Vista®, Windows® 7, Windows® 8, Windows® 8.1, Windows® 10 Windows® Server 2003, Windows® Server 2008, Windows® Server 2008 R2, Windows® Server 2012, Windows® Server 2012 R2, Windows® Server 2016 Linux®, Mac OS®, Solaris, Android™ 3.1 and above

Application

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



Picture

