

PC-LINKED SMART CARD READER
MOBILE CARD READER

ACR39U-N

PORTABLE & ADAPTABLE

The ACR39 PocketMate II with USB Type A & Type-C Connector incorporates a safe-keeping Swivel-USB-Go-design. The reader is capable of supporting demanding smart card applications, providing valuable and reliable functionalities to meet your security needs.

The device supports ISO 7816 Class A, B and C smart cards (5 V, 3 V and 1.8 V), microprocessor cards with T=0 and T=1 protocol. It also supports a wide variety of memory cards in the market, including the Department of Defense Common Access Card (CAC), the SIPRNET Card, the J-LIS Card and the Malaysian Identity Card (MyKad). This makes the reader ideal for a broad range of solutions, namely Physical and Logical Access Control, Digital Signature and Online Banking Applications.

Besides, the ACR39 PocketMate II is compliant with CCID, PC/SC, and Microsoft® WHQL standards, ensuring seamless integration with various operating systems such as Windows®, Linux®, macOS, iOS, iPadOS, Android™ and Solaris™.

KEY FEATURES

✔ Supports Various Types of Contact Cards

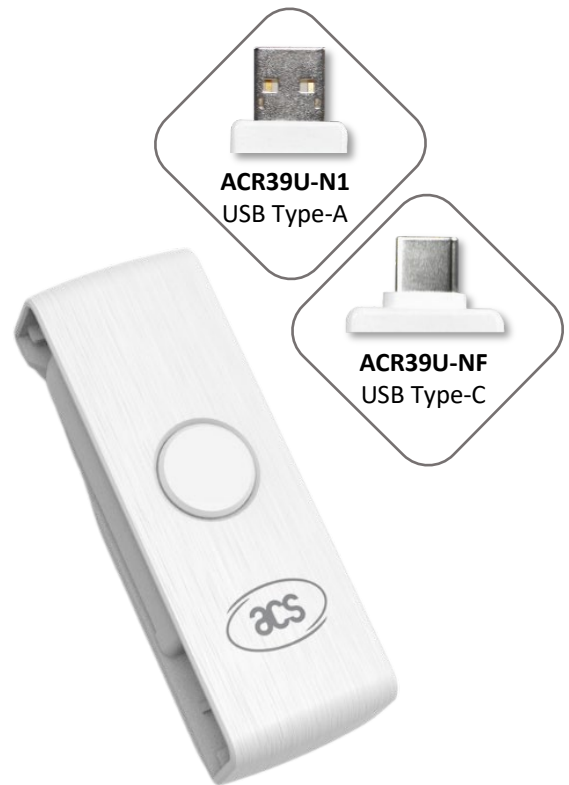
- ISO 7816 Class A, B and C (5 V, 3 V and 1.8 V)
- Microprocessor Card (T=0, T=1)
- Memory Card
- MyKad
- CAC, PIV, J-LIS, SIPRNET Smart Cards

✔ Reliable

- Compliant with International Regulations

✔ Compatible

- Windows®, Linux®, macOS, iOS, iPadOS, Android™, Solaris™



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

TECHNICAL SPECIFICATIONS

Contact Smart Card Interface

Number of Slot(s)	1 Full-Sized Card Slot
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, MyKad, CAC, PIV, J-LIS, SIPRNET Smart Card
Supply Current	Max. 100 mA
Read/Write Speed	600 Kbps (depending on cards)
Clock Frequency	4.80 MHz, Operates Up to 16MHz
Card Connector	6pin Contact
Card Insertion Cycles	400,000
PPS (Protocol and Parameters Selection)	Supported
Short Circuit Protection	Supported

Host Interface

Protocol	USB CCID
Connector Type	N1: USB Type-A NF: 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
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Physical Characteristics

Dimensions	Type-A/Type C: 58.0 mm (L) × 20.0 mm (W) × 13.7 mm (H)
Weight	Type-A: 12 g ± 1.2 g Type-C: 10 g ± 1.0 g
Available Colour(s)	White

Peripherals

LED	Green
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Operating Conditions

Temperature	0 - 60°C
Humidity	Max. 90% (non-condensing)
MTBF	500,000 Hours
Power Source	USB Port

Certifications/ Compliances

Standards	USB CCID, PC/SC, EMV™ Level 1 (Contact), PBOC Level 1 (Contact), J-LIS, Microsoft® WHQL, CT-API, TAA
Regulatory/ Environmental	CE, IEC/EN 62368, UL 62368, FCC, VCCI, KC, RoHS, REACH, WEEE, UKCA

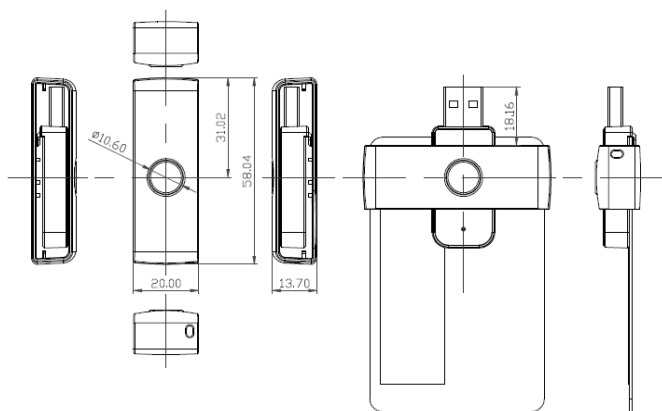
OS Support

Supported OS	Windows®, Linux®, macOS, iOS, iPadOS, Android™, Solaris™
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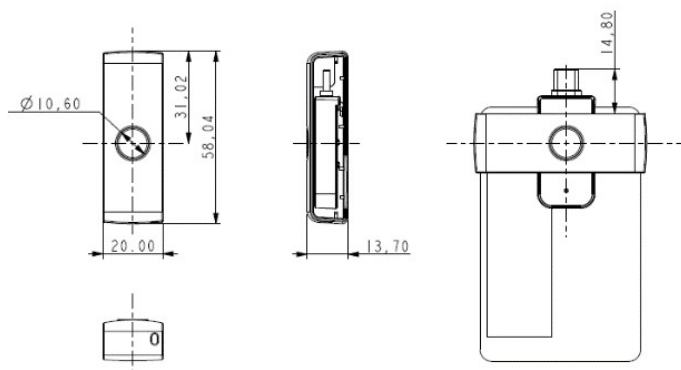
Model/Part Number

Default [USB Type-A]	ACR39U-N1
Default [USB Type-C]	ACR39U-NF

MECHANICAL SPECIFICATIONS



Pictured Above: ACR39U-N1 [Type-A]



Pictured Above: ACR39U-NF [Type-C]

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