# Advanced Card Systems Ltd.
Card & Reader Technologies

PC-LINKED SMART CARD READER
MOBILE CARD READER

# ACR39U-N

**ACR39U-N1**
USB Type-A

**ACR39U-NF**
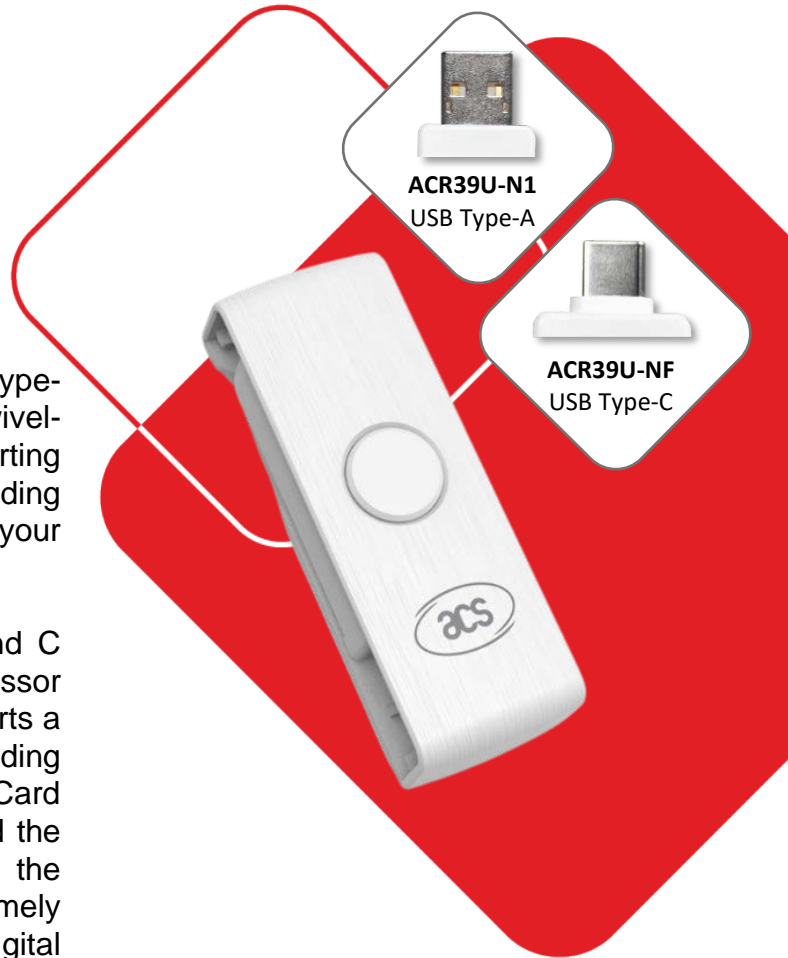USB Type-C

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

☑ **Reliable**
- o Certified for International Regulations
  - ▪ CE, FCC, UKCA, VCCI, RoHS, REACH, WEEE, UL 62368, IEC/EN 62368, EMV™ Level 1 (Contact), PBOC Level 1 (Contact), KC, J-LIS, TAA, Microsoft® WHQL

☑ **Compatible**
  - ▪ Windows®, Linux®, macOS, iOS, iPadOS, Android™, Solaris™

## COMMON APPLICATIONS

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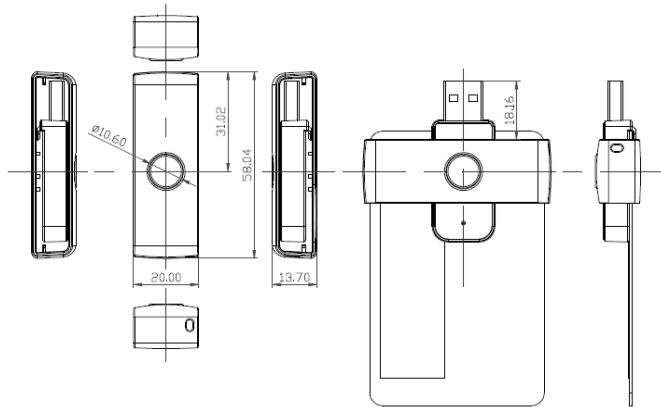Network Security
Access Control
Loyalty Program

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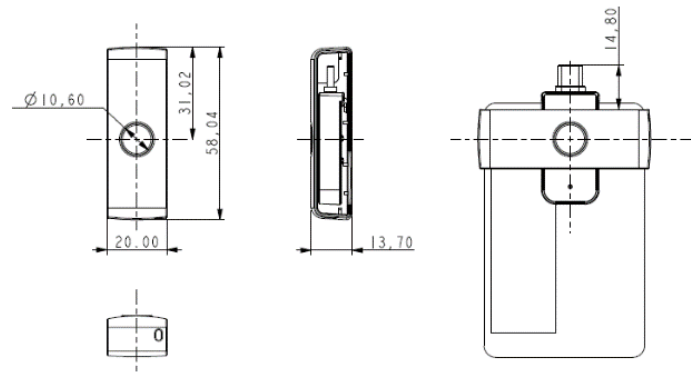
## TECHNICAL SPECIFICATIONS

| 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, J-LIS, SIPRNET 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. 200,000 |
| 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 |
| Power Source | From USB Port |
| 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 | **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 |
| **Operating Conditions** | |
| Temperature | 0 - 60°C |
| Humidity | Max. 90% (Non-Condensing) |
| MTBF | 500,000 Hours |
| **Certifications & Compliances** | |
| Certifications | CE, FCC, UKCA, VCCI, RoHS, REACH, WEEE, UL 62368, IEC/EN 62368, EMV™ Level 1 (Contact), PBOC Level 1 (Contact), KC, J-LIS, TAA, Microsoft® WHQL |
| Compliances | USB CCID, PC/SC |
| **Driver & Support** | |
| Driver Supported OS | Windows®, Linux®, macOS, iOS, iPadOS, Android™, Solaris™ |
| **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]*

### 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.

Click here for Sales Enquiry

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