

## PC-LINKED SMART CARD READER

# ACR39U

COMPACT & STYLISH

The ACR39U combines present-day technology in the form of the latest compact and stylish smart card reader. It supports **ISO 7816 Class A, B and C smart cards** (5 V, 3 V, 1.8 V), **microprocessor cards** with the T=0 and T=1 protocol as well as a wide variety of memory cards in the market, including the Secure Internet Protocol Router Network (SIPRNET) Card, the Department of Defense Common Access Card (CAC) and the Malaysian Identity Card (MyKad). The ability to support multiple smart cards makes the ACR39U ideal for a diverse range of solutions, such as PIV application, physical and logical access control and digital signatures.

Compliant with both PC/SC and CCID, the ACR39U can be operated using the plug and play function, ensuring convenience and mobility for its users. It is also designed to be integrated into any computer-based environment as the reader is compatible with various operating systems such as Windows®, Linux®, macOS, Solaris™ and Android™. EMV™ Level 1 (Contact) and People's Bank of China (PBOC) certified, the ACR39U is without a doubt, the ideal smart card reader for your e-Banking and e-Payment application needs.

### 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 Card
  - CAC, J-LIS, SIPRNET Smart Cards
- ✓ **Reliable**
  - Compliant with International Regulations
  - Mean Time Between Failures (MTBF) up to 500k Hours
  - Card Insertion Cycles: 200k Times
  - Short Circuit Protection
- ✓ **Compatible**
  - Windows®, Linux®, macOS, Solaris™ and Android™



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

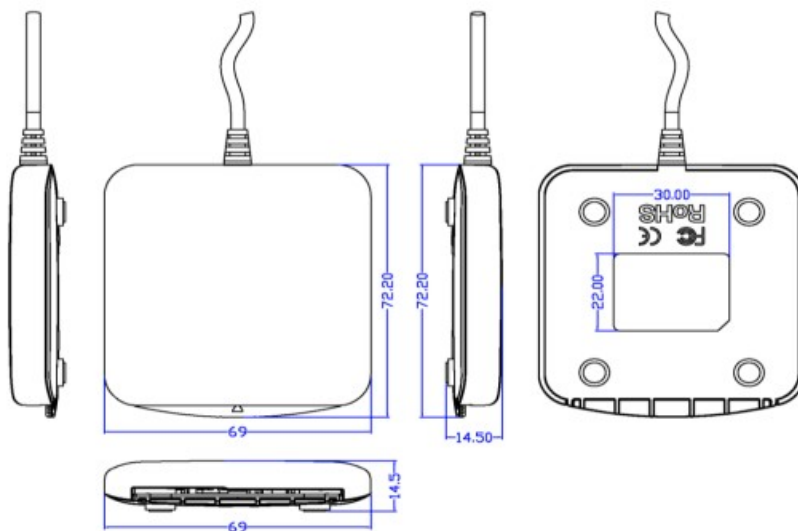
## TECHNICAL SPECIFICATIONS

|                                          |                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------|
| Number of Slot(s)                        | 1 Full-Sized Card Slot                                                                        |
| Supported Card Types                     | ISO 7816 Parts 1-4, Class A, B, C<br>Memory Card, MyKad Card, CAC, J-LIS, SIPRNET Smart Cards |
| 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. 300,000 (For Landing Connector)                                                          |
| PPS (Protocol and Parameters Selection)  |                                                                                               |
| Short Circuit Protection                 |                                                                                               |
| <b>Host Interface</b>                    |                                                                                               |
| Protocol                                 | USB CCID                                                                                      |
| Connector Type                           | <b>ACR39U-U1:</b> USB Type-A<br><b>ACR39U-UF:</b> USB Type-C                                  |
| USB Interface                            | USB 2.0 Full Speed (12Mbps)<br>Compatible with USB 3.0                                        |
| Supply Voltage                           | 5 V                                                                                           |
| Cable Length                             | 1.5 m (Non-Detachable)                                                                        |
| <b>Application Programming Interface</b> |                                                                                               |
| PC-Linked Mode                           | PC/SC                                                                                         |

|                                    |                                                                                              |
|------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Physical Characteristics</b>    |                                                                                              |
| Dimensions                         | 72.2mm (L) × 69.0mm (W) × 14.5mm (H)                                                         |
| Weight                             | <b>ACR39U-U1:</b> 65<br><b>ACR39U-UF:</b> 56                                                 |
| Available Colour(s)                | Black (Matte)                                                                                |
| <b>Peripherals</b>                 |                                                                                              |
| LED                                | Green                                                                                        |
| <b>Operating Conditions</b>        |                                                                                              |
| Temperature                        | 0 - 60°C                                                                                     |
| Humidity                           | Max. 90% (Non-Condensing)                                                                    |
| MTBF                               | 500,000 Hours                                                                                |
| Power Source                       | USB Port                                                                                     |
| <b>Certifications/ Compliances</b> |                                                                                              |
| Standards                          | USB CCID, PC/SC, Microsoft® WHQL, EMV™ Level 1 (Contact), PBOC Level 1 (Contact), J-LIS, TAA |
| Regulatory/ Environmental          | CE, IEC/EN 62368, FCC, VCCI, UKCA, RoHS, REACH, KCC, UL, BIS                                 |
| <b>Driver &amp; Support</b>        |                                                                                              |
| Driver Supported OS                | Windows®, Linux®, macOS, Solaris™, Android™                                                  |
| Plug and Play                      | Supported                                                                                    |
| <b>Model/Part Number</b>           |                                                                                              |
| Default [USB Type-A]               | ACR39U-U1                                                                                    |
| Default [USB Type-C]               | ACR39U-UF                                                                                    |

## MECHANICAL SPECIFICATIONS

Note: All dimensions in mm



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