

ACR39U-N1 USB folding smartcard reader



The ACR39U-N1 PocketMate II (USB Type-A) is a stylish and compact portable smartcard reader from ACS. The size of a USB stick, the ACR39U-N1 swivels reveal a slot to read full size contact smartcard.

The ACR39U functionality is not compromised by the size. This reader has read/write speeds of up to 600kbit/s, and works with all ISO7816 microprocessor-based smartcards as well as many popular memory cards.

Fully compliant with PC/SC and CCID specifications. The pocket-sized reader supports operating systems such as Windows, Linux and Mac OS.

The ACR39U-N1 is a plug and play USB smartcard reader, ideal for identity verification, digital signatures and logical access control.

This folding USB smartcard reader has the same form and functionality as the ACR39U-NF and ACR39U-ND readers, but uses the original USB format (USB-A), rather than USB-C or micro-USB. Standard desktop versions are also available using the same ACR39 chipset.

A portable USB contact smartcard reader with a compact swivel case, CCID compliant and part of the ACR39 series.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~853/acr39u-n1-usb-folding-smartcard-reader/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

Technical Specifications

Dimensions: 2.28" x 0.79" x 0.54" (58 x 20 x 13.7mm)

Weight: 12g

Colour: White

Power Supply: 5V USB powered

Operating Temperature: 32- 140F (0 - 60C)

Operating Humidity: Max 90% (non-condensing)

MTBF: 500,000hrs

Host Interface

USB CCID (Standard Type A connector)

Transmission Speed: 12 Mbps (USB full speed)

Contact Smartcard Interface

Supports Processor cards: following either T=0 or T=1 protocol

Supports Memory-based Smart Cards: Cards following the I2C bus protocol with up to 128bytes, and 1k or 256 byte EEPROM memory cards such as SLE4428, SLE5528, SLE5542

Protocol standards: ISO 7816 Parts 1-3, Class A, B, C (5V, 3V, 1.8V); T=0; T=1;

Memory card support

Supported APIs: PC/SC, CT-API (through wrapper on top of PC/SC)

Supply current: Max 50mA

Smart card read/write speed: 9.6kbps - 600 kbps

Short circuit protection: (+5) V/GND on all pins

Clock frequency: 4.8MHz

Card insertion cycles: Min 100,000

Human Interface

Status Indicator: Green LED

Compliance / Certification

Microsoft WHQL, RoHS 2, REACH, WEEE, IEC 60950, ISO 7816, EMV Level 1 (Contact), CE, FCC, TAA (USA), J-LIS (Japan), VCCI (Japan), PBOC (China)

Operating System support

Windows 10, 8.1, 8, 7, Vista, XP

Windows Server 2016, 2012 R2, 2012, 2008 R2, 2008, 2003

Linux, Mac OS, Solaris, Android 3.1 and later

Manufacturer's part number: ACR39U-N1

Manufacturer:ACS

Connection Method: USB