

### ACR40U-AF USB-C contact smartcard reader



The ACR40U-AF from ACS is a compact USB-C contact smartcard reader that supports all ISO 7816 microprocessor-based smartcards as well as numerous popular memory cards. Housed in a sleek white case, this highly durable desktop reader is the latest evolution of the popular ACR39, including a second LED for user feedback, on-device user data storage and support for remote firmware upgrade. The ACR40 chipset supports a wide range of operating systems including Windows, Linux and MacOS, IOS, iPadOS and Android.

Fully compliant with PC/SC and CCID specifications and Microsoft® WHQL standards. The ACR40 is ideal for various application areas including e-banking and e-payment as well as access control.

**A highly durable USB-C contact desktop smartcard reader supporting ISO 7816. Sleek white case.**

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~1034/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](mailto:sales@smartcardfocus.com) or call us on +44 (0)1428 685250.

## **ACR40U-AF Technical Specifications**

### **Product:**

Credential type(s): Contact

Read/Write: Read and Write

Form factor: Portable

Connector: USB CCID (Type C connector), Compatible with USB3.0

OS support: Windows; Linux; Mac OS; iOS; iPadOS; Android; Solaris

### **Contact Smartcard Interface:**

Contact interface standard: ISO 7816

Contact card types: Contact chip - standard sized card, Processor cards (T=0 and T=1) and Memory cards

Data transmission protocol: T=0 / T=1

Contact read/write speed: 9.6kbps - 600kbps

Clock frequency: 4.8MHz; operates up to 16MHz

Card insertion cycles: Min 200 000

### **Host Interface:**

Host interface standards: PC/SC; USB CCID

Host data transmission speed (wired): 12 Mbps (USB full speed)

### **Other Features:**

Card detection: Protocol and parameters selection, Short circuit protection

Status indicator: Blue and Green LEDs

Firmware in-field upgradeable: Yes

User data storage: Yes

### **Certifications:**

Manufacturer's warranty: 1 year

Type approvals: CE, UKCA, FCC, RoHS, REACH, WEEE, IEC 62368

Security certifications: FIPS 140-2 Level 3

Application approvals: EMV Level 1 (Contact), TAA (USA), J-LIS (Japan), KC (Korea), VCCI (Japan), PBOC (China)

Country of origin: China

**Physical:**

Dimensions: 65 x 55 x 9mm (2.6 x 2.2 x 0.35in)

Weight ( $\pm 5\%$ ): 40g (1.41oz)

Cable length supplied: 1m (39in) captive

**Power:**

Supply voltage: 5V DC

Operating current: 50mA max

Battery power option: No

**Environment:**

Operating temperature: 0 to 65degC (32 to 149degF)

Operating humidity: 95% RH (non-condensing)

**Manufacturer's part number:** ACR40U-AF

**Country of origin:** China

**HSF code:** 84719000

**Manufacturer:** ACS