ACR40U-BF USB-C contact vertical reader with stand

The ACR40U-BF 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. This version comes with a USB-C cable and includes a weighted stand that allows the reader to be presented in a variety of horizontal or upright orientations. 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 contact desktop vertical smartcard reader supporting ISO 7816 with USB-C cable and stand. Sleek white case.

To buy, visit:
https://www.smartcardfocus.com/shop/ilp/id~1025/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.

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ACR40U-BF Technical Specifications

Product:

Credential type(s): Contact

Read/Write: Read and Write

Form factor: Portable

Connector: USB CCID (Standard 2.0 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)

Physical:

Dimensions: 62.5mm x 67.6mm x 58.5mm (2.5 x 2.7 x 2.30in)

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Weight (±5%): 65g (2.29oz)

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-BF

Country of origin: China

HSF code: 84719000

Manufacturer: ACS

The stand can be used in several different ways. Below is a picture showing the ACR40U-BF mounted on its stand horizontally.

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