

ACR40T-A1 SIM-sized USB smartcard reader



The ACR40T-A1 is a SIM-sized USB smartcard reader that features sophisticated technology and modern, compact design. The ACR40T-A1 supports ISO 7816, various memory cards and a wide range of T=0, T=1 microprocessor cards.

Fully compliant with PC/SC and CCID specifications, this reader supports operating systems including Windows, Linux, Mac OS and Android.

Small and lightweight, the ACR40T-A1 meets rigorous requirements in various smart card-based applications.

**A USB SIM-sized smartcard reader in a modern and lightweight case.**

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~974/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.

## **ACR40T-A1 and ACR40T-A5 Technical Specifications**

### **Product:**

Credential type(s): Contact

Read/Write: Read and Write

Form factor: Portable

Connector: USB 2.0 Full Speed [ACR40T-A1]; USB Standard Type C Full Speed [ACR40T-A5] ; Compatible with USB 3.0

OS support: Windows; Linux; Mac OS; Android

### **Contact Smartcard Interface:**

Contact interface standard: ISO 7816

Contact card types: Contact chip - SIM sized card (2FF mini SIM), ISO 7816 Class A, B and C (5 V, 3 V and 1.8 V), 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: 4.8 MHz; Operates up to 16MHz

Card insertion cycles: Min 100 000

### **Host Interface:**

Host interface standards: PC/SC

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

### **Other Features:**

Card detection: Protocol and parameters selection, Short circuit protection

Status indicator: Green LED

Firmware in-field upgradeable: Yes

Data user storage: Yes

### **Certifications:**

Manufacturer's warranty: 1 year

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

Application approvals: VCCI (Japan)

Country of origin: China

**Physical:**

Dimensions: 48.9 x 17.7 x 8.0mm (1.93 x 0.70 x 0.31in) [ACR40T-A1]; 44.7 x 17.7 x 8.0mm (1.76 x 0.70 x 0.31in) [ACR40T-A5]

Weight ( $\pm 5\%$ ): 6.8g (0.24oz) [ACR40T-A1]; 5.3g (0.19oz) [ACR40T-A5]

**Power:**

Supply voltage: 5V DC

Operating current: max 50mA

Battery power option: No

**Environment:**

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

Operating humidity: 95% RH (non-condensing)

**Manufacturer's part number:** ACR40T-A1 or ACR40T-A5

**Manufacturer:** ACS