

FeliCa RC-S300 desktop USB reader



The FeliCa RC-S300, also known as the PaSoRi, from Sony is a USB reader/writer that conforms to NFC specifications as well as various other contactless technologies, including FeliCa, FeliCa mobile, ISO 14443 A/B, ISO 18092, and ISO 15693. It has been designed with access control, online payment, ID and loyalty applications in mind.

The RC-S300 is a close replacement the popular RC-S380 which is no longer in production. The most significant difference besides the wider range of cards and passes supported is the small green LED to show communication between card and reader. Applications developed for RC-S380 should work with RC-S300.

The FeliCa RC-S300 is PC/SC 2.0 compliant. Operating environments supported include Windows 10, 11 and macOS from 10.15 onwards

This model comes complete with a simple and convenient stand and a detachable USB cable. Instructions are included in the box and drivers, if needed, can be downloaded for free from the Sony website.

This reader is designed to work with existing FeliCa software applications or alternatively can be used in conjunction with the appropriate SDK from Sony. An NFC Starter Kit SDK is can be downloaded for free from the Sony website.

A compact USB NFC contactless reader that supports NFC, FeliCa and other technologies. Supplied with a stand and detachable USB cable.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~937/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

Product:

Credential type(s): Contactless

Read/Write: Read and Write

Form factor: Desktop

Connector: USB Type-B micro (Full Speed)

OS support: Windows 10, 11; Mac OS 10.15 onwards

Contactless Card Interface:

Contactless interface standard: ISO 14443 / ISO 15693 / ISO 18092

Contactless credential types: NFC Forum Tag Type 2 / 3 / 4 / 5; FeliCa including smartphones with Mobile FeliCa; ISO 14443 Type A/B; ISO15693; MIFARE Classic, MIFARE Ultralight, MIFARE Ultralight C; MIFARE DESFire; MIFARE Plus

Contactless operating frequency: High (13.56MHz)

Contactless operating distance: Approx 20mm (0.8in)

Contactless read/write speed: FeliCa up to 424kbps; MIFARE ISO 14443A/B up to 848kbps, iClass 15693 up to 26kbps

Host Interface:

Host interface standards: PC/SC Ver 2.0

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

Other Features:

Status indicator: Green LED

Certifications:

Manufacturer's warranty: 1 year

Type approvals: UKCA, CE, FCC, JQA, RoHS 2, REACH, WEEE

Country of origin: Japan

Physical:

Dimensions: 59.5 x 95 x 10.5mm (2.3 x 3.7 x 0.41in)

Weight ($\pm 5\%$): 33g (1.2oz) excluding USB cable and holder

Cable length supplied: 0.7m (28in), USB-B micro at reader to USB-A at PC

Power:

Supply voltage: 5V DC

Operating current: 200mA max during operation

Battery power option: No

Environment:

Operating temperature: 5 to 35degC (41 to 95degF)

Storage temperature: -20 to 60degC (-4 to 140degF)

Operating humidity: 10-90% RH (non-condensing)

Manufacturer's part number: RC-S300/S1

Manufacturer: Sony