SONY

RC-S380/S

NFC Forum CERTIFIED

The RC-S380/S is an NFC capable reader which can be connected to a PC via USB port.

This product can be used in Windows thin client terminals and fat client terminals.

FeliCa / Type A / Type B **Conforms to PC/SC2.0**

FEATURES

Available for various contactless IC Cards
Read/Write capability with FeliCa™ card / FeliCa-compatible devices and ISO/IEC 14443 Type A / Type B cards.

Conforms to PC/SC 2.0 specification
PC/SC interface for applications is provided to access FeliCa cards and ISO/IEC 14443 Type A / Type B cards.

Supports major virtualization systems for secure thin client environments
Suitable for terminal login authentication, etc., using IC cards in major virtualization systems to realize secure thin client environments.

APPLICATION DEVELOPMENT ENVIRONMENTS

The following Software Development Kit (SDK) lineup supports the development of application software for various operating systems to control the reader:

SDK for NFC Lite for Windows OS (optional)
Supports application development for ISO/IEC 14443 Type A / Type B cards, as well as FeliCa cards / FeliCa-compatible devices. Also available is a free-of charge Starter Kit for development and evaluation.

SDK for NFC <Reference Implementation> for embedded systems (optional)
For other widely-adopted operating systems, such as Linux, reference source code with transplantable C language is provided to develop applications for ISO/IEC 14443 Type A / Type B cards, as well as FeliCa cards and FeliCa-compatible devices.

FeliCa

PRODUCT SPECIFICATIONS

	RC-S380/S
Regulation requirements	[Japan] No.: AC-12005 [USA] FCC ID: AK8RCS380 [Europe] CE RE (2014/53/EU) [UK] S.I. 2017 No.1206 (RE) For details of other regulation requirements, please contact us.
Communication method	Conforms to ISO/IEC 18092 (212 kbps / 424 kbps Passive communication mode) Conforms to ISO/IEC 14443 (Type A / Type B)
Communication distance *1	Approx.20 mm (distance from the external surface of the device) *2
Carrier frequency	13.56 MHz
Communication speed (per card and device)	106 kbps *3, 212 kbps, 424 kbps *4
Compatible cards / devices *5	FeliCa Standard FeliCa Lite FeliCa Lite-S FeliCa Link NFC Dynamic Tag (FeliCa Plug) Smartphones incorporating a Mobile FeliCa IC chip ISO/IEC 14443 Type A, ISO/IEC 14443 Type B MIFARE Classic MIFARE Ultralight / Ultralight C MIFARE DESFire / DESFire EV1 MIFARE Plus SmartMX Jewel / Topaz
API	PC/SC Ver.2.0, FeliCa library
External interface	USB (full-speed)
Operating temperature *6 **/ humidity (no condensation or frost)**	5 ℃ to 35 ℃ / 10%RH to 90%RH
Storage temperature / humidity (no condensation or frost)	-20 ℃ to +60 ℃ / 10%RH to 80%RH
Mass	Approx.36 g (excluding USB cable)
External dimensions (W × H × D)	Approx.60 mm × 11 mm × 100 mm
Operating voltage / Consumption current	DC5 V / MAX.200 mA during operation
Supplied accessories	Instruction manual, WEEE mark instructions *7, cardholder, dedicated stand, USB cable (approx.1 m long)

*1 The communication distance depends on the peripheral environment. Under ideal conditions, this value is unaffected by electromagnetic waves or metallic substances.
*2 When the center points of both the card and this product are aligned.   *3 When using ISO/IEC14443 Type A / Type B cards.   *4 The card and device being used must correspond to 424 kbps communication.   *5 Successful operation is not guaranteed with all compatible cards and devices.   *6 The ideal temperature for successful operation.
*7 Not included in the Chinese model.
Note: Before purchasing this product, please make sure it complies with technical standards, regulations, etc. regarding safety standards of Electricity Act, etc. in your country and region.

OPERATIONAL ENVIRONMENTS

For the latest information about operating systems, see "Products" on the FeliCa website : sony.net/felica/

OS	Windows 11 Home 64 bit (x64) Windows 11 Pro 64 bit (x64) Windows 11 Enterprise 64 bit (x64) Windows 11 Education 64 bit (x64) Windows 10 Home 32 bit (x86) / 64 bit (x64) Windows 10 Pro 32 bit (x86) / 64 bit (x64) Windows 10 Enterprise 32 bit (x86) / 64 bit (x64) Windows 10 Education 32 bit (x86) / 64 bit (x64)

· Please use the latest version of Internet Explorer that is compatible with the operating systems listed above as your web browser.
· Successful operation is not guaranteed in all PCs using the recommended operating systems.
· The performance of this product depends on the specific combination of hardware and software used, even if the conditions in the previous table are satisfied.

Caution: If this product is placed on a metal surface, there is a chance that it operates improperly, such as being unable to communicate with the card. Therefore, it is recommended to use the device while remaining at least a few centimeters away from metal items such as desks and cabinets and, preferably, using the dedicated stand included with this product.

Sony Corporation

FeliCa Business Division, Service Business Group

FeliCa website ▶ **sony.net/felica/**