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.

**RC-S380/S**

**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.
**PRODUCT SPECIFICATIONS**

### RC S380/S

#### Regulation requirements
- **[Japan]** No.: AC-12005
- **[USA]** FCC ID: AKBRCS380
- **[Europe]** CE RE [2014/53/EU]

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
Approx. 5 mm (distance from the external surface of the device)

#### Carrier frequency
13.56 MHz

#### Communication speed (per card and device)
- 106 kbps
- 212 kbps, 424 kbps

#### Compatible cards / devices
- 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, MIFARE, 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
5 ºC to 35 ºC / 10%RH to 90%RH

#### Storage temperature / humidity
- 20 ºC to + 60 ºC / 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
DC 5V / Max. 200 mA during operation

#### Supplied accessories
- Instruction manual, WEEE mark instructions
- Cardholder, dedicated stand, USB cable (approx. 1 m long)

---

### OPERATIONAL ENVIRONMENTS

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

<table>
<thead>
<tr>
<th>OS</th>
<th>Windows® 10 Home 32 bit (x86) / 64 bit (x64)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Windows® 10 Pro 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 10 Enterprise 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 10 Education 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 8.1 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 8.1 Pro 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 8.1 Enterprise 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 7 Starter SP1 32 bit (x86)</td>
</tr>
<tr>
<td></td>
<td>Windows® 7 Home Basic SP1 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 7 Home Premium SP1 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 7 Professional SP1 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 7 Enterprise SP1 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® 7 Ultimate SP1 32 bit (x86) / 64 bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Windows® Embedded Standard 7 SP1</td>
</tr>
<tr>
<td></td>
<td>Windows® Embedded POS Ready 7</td>
</tr>
<tr>
<td></td>
<td>Windows® Embedded 8.1 Industry</td>
</tr>
</tbody>
</table>

---

Sony Imaging Products & Solutions Inc.

Sony City Osaki

FeliCa Business Division

2-10-1 Osaki Shinagawa-ku, Tokyo, 141-8610 Japan

[![FeliCa website](sony.net/felica/)](sony.net/felica/)