

# ICS-D101/13

This SDK is a tool to effectively develop applications for embedded devices to communicate with ISO/IEC 14443 Type A / Type B cards as well as FeliCa™ cards.

This SDK supports various operating systems.

**Main target devices to apply :** \* Access control terminal \* Time attendant terminal \* Amusement terminal

NFC

Support  
various OS

For embedded  
device

## FEATURES

- Development tool suitable for embedding applications.
- Reference source codes supplied as easily transplantable C language form.
- Supporting a variety of operating systems on the device.
- Supporting communication with ISO/IEC 14443 Type A / Type B cards.

<b>Product structure</b>	<ul style="list-style-type: none"> <li>· Reference source codes</li> <li>· Sample programs</li> <li>· User's manual (English/Japanese)</li> <li>· API specs (English/Japanese)</li> </ul>
--------------------------	---

## ICS-D101/13

Suitable for the development of applications for FeliCa cards and ISO/IEC 14443 Type A / Type B cards.

## FEATURES

- Includes UART driver for RC-S956,\*<sup>1</sup> USB driver for NFC Port-100\*<sup>2</sup>
- Uses simple commands without encryption.
- Transmission function of Type A / Type B cards commands.\*<sup>3</sup>

\*<sup>1</sup> RC-S956: Contactless IC card reader chip mounted on RC-S620 series.

\*<sup>2</sup> NFC Port-100: Contactless IC card reader platform mounted on RC-S380, RC-S630 series.

\*<sup>3</sup> Does not support ISO/IEC 14443-4 Transmission Protocol on RC-S956 and ISO/IEC 18092 Transport Protocol on RC-S956 and NFC Port-100.

## OPERATIONAL ENVIRONMENTS

For technical documents about this product, see “Technical Information” on the FeliCa website:  
[sony.net/Products/felica/business/tech-support/](http://sony.net/Products/felica/business/tech-support/)

	SDK for NFC <Reference Implementation>		
	ICS-D101		
<b>Operating system</b>	Linux (Ubuntu 16.04.3)	Android™	Microsoft Windows 10 1079 x64
<b>Confirmed operating environment</b>	gcc	Android™ SDK Android™ NDK	Visual Studio 2015 SP3
<b>Corresponding reader/writer</b>	RC-S620, RC-S632, RC-S634, RC-S380		

- Features, design, and specifications are subject to change without notice.
- SONY and FeliCa are registered trademarks or trademarks of Sony Group Corporation or its affiliates.
- FeliCa is a contactless IC card technology developed by Sony Corporation.
- Windows is a registered trademark or a trademark of Microsoft Corporation in the United States and other countries.
- All other trademarks are the property of their respective owners.

**Sony Corporation**  
FeliCa Business Division, Service Business Group

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

FeliCa website

[sony.net/felica/](http://sony.net/felica/)

June, 2021

E2012-09-06