

# ICS-D101/V16

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

## 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 FeliCa cards, ISO/IEC 14443 Type A / Type B cards, and ISO/IEC 15693 cards<sup>1)</sup>
- Includes UART driver for RC-S956<sup>2)</sup>/NFC Port-400 (UART)<sup>3)</sup>, USB driver for NFC Port-100<sup>4)</sup>/NFC Port-400 (USB)<sup>5)</sup>
- Uses commands without encryption.

### Product structure

- Reference source codes
- Sample programs
- User's manual (English/Japanese)
- API specs (English/Japanese)

<sup>1)</sup> Only RC-S660/S, RC-S660/U, RC-S300/S1, and RC-S300/S.

<sup>2)</sup> RC-S956: Contactless IC card reader chip mounted on RC-S620/S.

<sup>3)</sup> NFC Port-400 (UART): Contactless IC card reader platform mounted on RC-S660/S.

<sup>4)</sup> NFC Port-100: Contactless IC card reader platform mounted on RC-S380/S, RC-S632 and RC-S634.

<sup>5)</sup> NFC Port-400 (USB): Contactless IC card reader platform mounted on RC-S660/U, RC-S300/S1 and RC-S300/S.

## OPERATIONAL ENVIRONMENTS

For technical documents about this product, see “Technical Information” on the FeliCa website:  
<https://www.sony.net/Products/felica/business/products/ICS-D101.html#Environment>

	SDK for NFC <Reference Implementation>		
	ICS-D101/V16		
<b>Operating system</b>	Linux (Ubuntu 20.04.2 LTS)	Android™	Windows 11 22H2 x64 Windows 10 22H2 x64/x86
<b>Confirmed operating environment</b>	gcc	Android SDK Android NDK	Visual Studio 2019
<b>Corresponding reader/writer</b>	RC-S660/S, RC-S660/U, RC-S632, RC-S634, RC-S620/S, RC-S300/S1, RC-S300/S, RC-S380/S		

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FeliCa website

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September, 2023

E2012-09-08