

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.

ICS-D101

Basic Suite

Main target devices to apply:

*Access control terminal *Time attendant terminal *Amusement terminal



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.

Basic Suite

Product structure	<ul style="list-style-type: none"> • Reference source codes • Sample programs • User's manual (English/Japanese) • API specs (English/Japanese)
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ICS-D101

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

FUNCTIONS

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

*1 RC-S956: Contactless IC card reader chip mounted on RC-S620 Series.

*2 NFC Port-100: Contactless IC card reader platform mounted on RC-S380, RC-S630 Series.

*3 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.

OPERATING ENVIRONMENTS

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

Product name	SDK for NFC <Reference Implementation>		
Operating environment	ICS-D101		
Operating system	Linux(Ubuntu 16.04.3)	Android	Windows® 10 1709 x64
Confirmed operating environment	gcc	Android SDK Android NDK	Microsoft® Visual Studio® 2015 SP3
Corresponding reader/writer	RC-S620, RC-S632, RC-S634, RC-S380		

• Specifications and external appearance are subject to change without prior notice.

• FeliCa is a trademark of Sony Corporation.

• FeliCa is a contactless IC card technology developed by Sony Corporation.

• Other system names and product names described in this catalog are generally registered trademarks or trademarks belonging to their respective development manufacturers. Note that ™ and ® symbols are sometimes purposely omitted from this text.

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