# HF-RFID
# Model number: RI20A
# User Manual

## GENERAL

The RI20A is a highly integrated transceiver module for contactless reader/writer communication at 13.56 MHz.

### Integration to the end product

1. RI20A module is mounted in the Accessory FZ-VRFG211.
2. Insert Antenna unit into Antenna connectors of RI20A module.

### Technical Specification

| | | |
|---|---|---|
| a) | Dimensions (H x W x D): | 17.6mm x 40.15mm x 1.0mm |
| b) | Supported RF protocols : | ISO/ IEC14443 Type A, Type B, and Felica |
| c) | Operating Temperature: | -10 to 50 degree Celsius |
| d) | Host interface: | Serial Peripheral Interface |

# Regulatory Information

## Federal Communications Commission Radio Frequency Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

### Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Instructions to OEM Integrators

The following information must be indicated on the host device of this module;

Model : RI20A
FCC ID : ACJ9TGRI20A
IC: 216H-CFRI20A

This module is Part 15.225/RSS-210 limited module. The module is limited to be use by the grantee in its own products, not intended for sale to third parties.

### Antenna Information

Integral loop antenna is used.

When the antenna is changed, additional test and certification will be needed.

### Additional testing, part 15 Subpart B disclaimer

The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant, and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.

When the host is changed, additional test and certification will be needed.

The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

## Canada-ISED Canada

This device complies with ISED Canada's license-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet équipement est conforme aux normes sans licence RSS d'ISED Canada.
Son fonctionnement est soumis aux deux conditions suivantes :
(1) ce dispositif ne peut produire de brouillage, et
(2) ce dispositif doit accepter le brouillage, y compris le brouillage pouvant entraîner le fonctionnement non
désiré de l'appareil..

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