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IDENTIV UT5501F-01HF USB RFID Reader Module Instructions

Contents

IDENTIV UT5501F-01HF USB RFID Reader

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Document History

Version	Date	Description of Change	Author
1.0	10-NOV-2020	Initial version	Identiv
1.1	14-DEC-2020	Revised to comply with FCC KDB 996369 D03 Section 2	Identiv

Scope of the document

This manual provides information for OEMs that integrate the uTrust 5501 F HF into their own products.

Identiv uTrust 5501 F HF module

Identiv uTrust 5501 F HF is an USB-based contactless card reader module. The reader connects to host via USB 2.0 Full speed interface. It supports ISO14443 and ISO15693 cards in HF mode. The information in this manual applies to the device model number listed below along with its FCC ID and ISED ID:

Part Number	Product Name	FCC ID	ISED ID
905567-3	uTrust 5501 F HF	MBPUT5501F-01HF	7485A-5501F01HF

Host Communication Interface

Host communication is through the 1×5 header marked USB host. Pinouts for USB host connector is as below:

PIN #	Signal
1	Vbus
2	D-
3	D+
4	GND
5	Shield

The mating connector/receptacle for the header is TE Connectivity 440129-5

Integration Guidelines

1. This module is limited to OEM installation only.
2. Module complies with FCC Part 15.225, FCC Part 15.209, FCC Part 15.207 and RSS-210.
3. End Product Labeling: When the module is installed in host device, the FCC ID label must be visible through a window on the final device or it must be visible when an access panel, door or cover is easily removed. If not, a second label must be placed on the outside of the final device that contains the following text: "Contains FCC ID: MBPUT5501F-01HF". The FCC ID can be used only when all FCC compliance requirements are met. For ISED the second label should include "Contains IC: 7485A-5501F01HF". The ISED ID can be used only when all other ISED compliance requirements are met.
4. Installation: The module must be installed such that 10 cm distance is maintained between the integrated antenna and users.
5. The end user manual shall include all required regulatory information/warning as shown in this manual.
6. There are no special testing modes for the module. When the module is powered it automatically start scanning at 13.56 MHz (ASK) looking for tags. When a tag that operates at same frequency and technology responds, the module locks onto it; the module would not change to other frequency or technology until the tag leaves the field or stops responding.
7. For FCC Part 15.31 (h) and (k): The integrator (host manufacturer) is responsible for additional testing to verify compliance as a composite system. When testing the host device for compliance with Part 15 Subpart B, the host manufacturer is required to show compliance with Part 15 Subpart B while the module is installer and operating. The module should be transmitted and the evaluation should confirm that the module's intentional emissions are compliant. The host manufacturer must verify that there are no additional unintentional emissions other than what is permitted in Part 15 Subpart B or emissions that are compliant with the transmitter's rules.

Regulatory Information

FCC Statement
FCC PART 15.105 STATEMENT: NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC PART 15.19 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. FCC PART 15.21 STATEMENT: NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

ISED Statement

The device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s).Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference received, including interference that may cause undesired operation of the device.

Documents / Resources

[IDENTIV UT5501F-01HF USB RFID Reader Module](#) [pdf] Instructions
UT5501F-01HF, UT5501F01HF, MBPUT5501F-01HF, MBPUT5501F01HF, UT5501F-01HF USB RFID Reader Module, UT5501F-01HF, USB RFID Reader Module