RFID BULK SYSTEM MODULE

January 25, 2021

Overview

The module is a passive RFID reader which designed by LogiTag to use for reading passive RFID tags. The reader works at 13.56 MHz frequency.

It features:

- 8 x LT-HF-ANT-4060 (designed by LogiTag) antennas
- Antennas selection by Multiplexer
- Serial (RS232) interface
- 12 – 24 V input
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FCC Compliance Statement

This device 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 residential installations. 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 and television reception.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

– Re-orient or re-locate the receiving antenna.

– Increase the distance between the device and the receiver.

– Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.

– Consult the dealer or an experienced radio/TV technician.

WARNING! *Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes :(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.
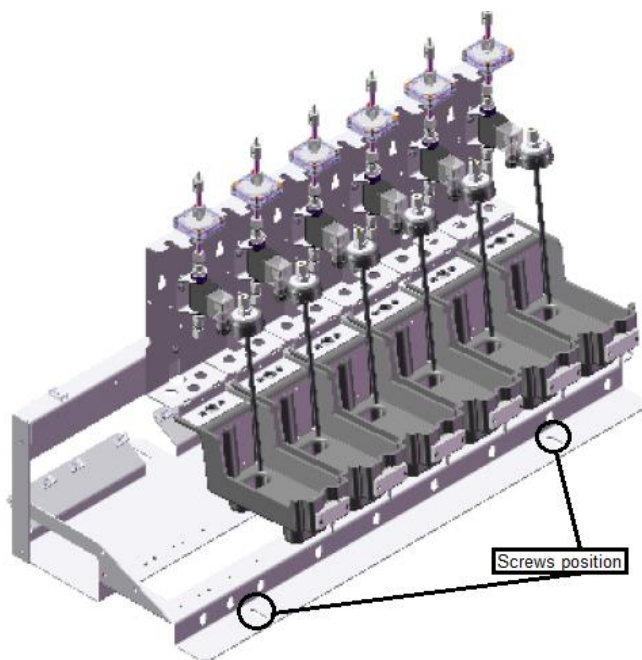
Installation Instruction

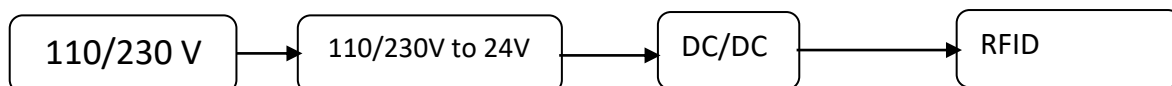The RFID module is installed inside the host printers.

The installation contains mechanical, electrical and communication connections.

The module is mechanically connected to the host chassis by 2

M4 screws as shown in the drawing.

Electrically, the system is connected as follows:

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┌──────────┐    ┌───────────────┐    ┌────────┐    ┌────────┐
│ 110/230 V│ →  │ 110/230V to 24V│ → │ DC/DC  │ →  │ RFID   │
└──────────┘    └───────────────┘    └────────┘    └────────┘
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The system communicates with pc by RS232 connection.

FVIN: 1.0

This model is not sold separately and is not installed in any units other than Kornit Digital's products, and currently it is used in the following hosts per FCC Grant Dated 08/29/2016 under FCC ID: 2AGy2RFIDBULKSYS.

- Paradigm
- Paradigm 2
- Avalanche
- Avalanche 1000
- Avalanche 2000
- Avalanche Hexa
- Avalanche DC Pro
- Allegro
- Allegro 2
- Vulcan
- Storm
- Storm 2
- Storm 1000
- Storm Hexa
- Storm Duo
- Breeze

Kornit Digital now wishes to expand the LMA to include the new host:

- Atlas
- Atlas Max
- Presto
- Avalanche HD6

OEM Instructions

a. The module is limited to OEM installation ONLY.

b. The OEM integrator is responsible for ensuring that the end-user has no manual instructions to remove or install the module.

c. The module is limited to installation in mobile or fixed applications, according to Part 2.1091(b);

d. Separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and different antenna configurations;

e. Labeling instructions of finished products must contain the following:
"Contains Transmitter Module FCC ID: 2AGY2RFIDBULKSYS, IC: 21026 – RFIDBULKSYS".

The OEM/Integrator must include the following instructions/statements in the host user's manual (i.e. end product):

a. Statements required per FCC Part 15.19 and 15.21;

b. End users must be provided with transmitter/antenna installation requirements and operating conditions for satisfying RF exposure compliance:

i. A separate section should clearly state "FCC RF Exposure requirements;"

ii. Required operating conditions for end users

iii. Antenna/or transmitter installation requirements, where relevant (For example: whether the antenna used with this module must be installed to provide a separation distance of at least 30 cm from all persons and must not transmit simultaneously with any other antenna or transmitter.)

Please refer to KDB821551 for grant conditions for various types of product.