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Cloud Interface Unit (CIU)
User Manual

Document History

Description
Aug 2022 1st Release

Federal Communication Commission Interference Statement

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 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 Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

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.

Foreword

This manual is for R500 Series SE Mobile Reader. It contains all technical information pertaining to the installation of this reader to the access control system: wiring requirement, connection to devices and reader settings.

ASIS Technologies reserve the right to change product design at any time for product improvement. Information in this manual is subjected to change without further notice.

ASIS Technologies make all efforts to ensure this Manual is up to date and corresponds to the product being shipped. However, ASIS Technologies assumes no responsibility for any errors that may occur in this manual.

This manual contains proprietary information that is protected by copyright. Neither this manual nor any part of it may be reproduced, photocopied, translated, or electronically transmitted in any way without the prior written permission of ASIS Technologies.

For enquiries and support in installing the R500 Series SE Mobile Readers, please contact ASIS Technologies or any representative in your region.

Limited Warranty

ASIS Technologies warrants its products to be defect free in material and workmanship when they have been installed in accordance with the manufacturer’s instructions.

The warranty will not apply if the product is tampered with or misused, unauthorized modification and improper maintenance. Consumables items, such as batteries, have no warranty.

ASIS Technologies does not assume any responsibility for damage or injury to person or property due to improper care, storage handling, abuse, misuse, normal wear and tear, or an act of God.

The product warranty shall expire one (1) year after shipping date. Except as stated above, ASIS Technologies makes no other warranty or condition, whether written or oral, expressed or implied, as to any matter whatsoever, including their merchantability, or fitness for any particular application.

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1. Cloud Interface Unit Overview

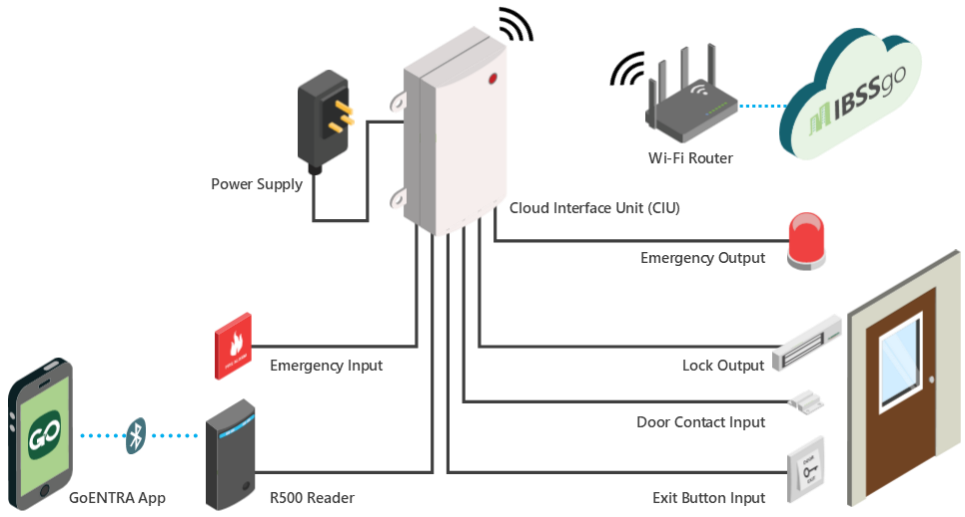
The Cloud Interface Unit (CIU) is a module that decrypt/decode commands sent by the IBSSgo cloud access controller and interface to the accessories of a door. The CIU has all the necessary inputs and outputs to monitor and control an access controlled door. Built-in WIFI allows for additional reporting to the cloud in case of an alarm. Most importantly, the CIU is low cost and easy to install.

New concept door access control unit, all IO of typical card access controller with Cloud interface module. Unlimited credential capacity. Secure credential authentication in the cloud. End to end secure communication. Corporate Security Management solution. Integrated Command and Control. Open API for Integration and Extension. Built-in WIFI allows for additional reporting to the cloud in case of an alarm. Most importantly, the CIU is low cost and easy to install.

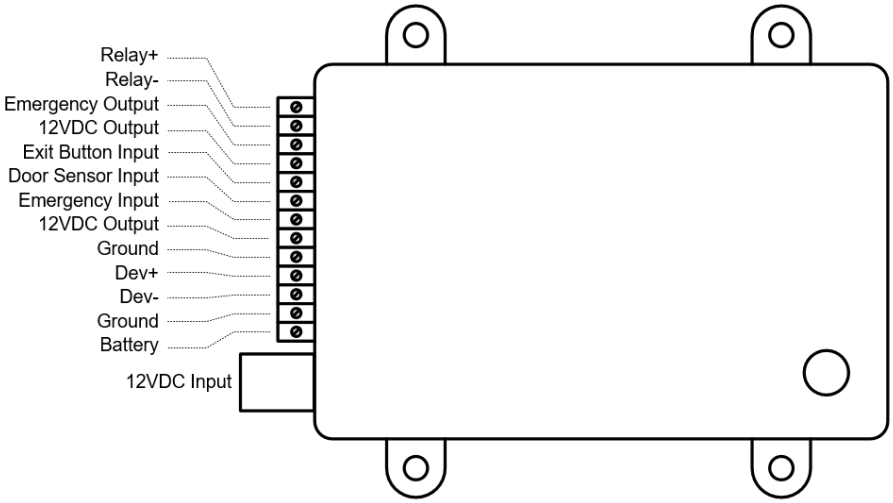
2. Cloud Interface Unit function

- Single board door control unit
- Door sensor monitor / cloud reporting
- Exit push button
- Programmable alarm input
- Relay output for electronic lock, or switching device
- WiFi enabled for event upload to cloud
- ADNET(RS485 Protocol) for secure command from connected Door Access Reader (R500 series)
- Single bicolor LED for operation indicator
- Power by DC 15V Power adapter with battery charging and power backup during AC failure
- Optional smart home integration
- Low cost and easy to install

3. Connection Diagram



4. Termination Point



5. Product Specification

Item	Specification
Power Supply (Recommend)	Power Adapter, +15VDC, 2A
Battery	12V 4AH or 7AH optional
WiFi	2.4Ghz (for alarm reporting)
LED	Bi-color LED
Reader Interface	RS485(ADNET Protocol)
Reader Supported	R502/R512/R513/R512K/R513K/R514K
Inputs	Door Contact, Exit Button, Emergency Input
Door Control	12V DC 1A or Dry Contact
Emergency Output	Open Collector Output
Operating temperature Range	-20˚C to 50˚C (-22˚F to 150˚F)
Material	ABS
Weight	220 grams
Dimension (H x W x D)	105 x 73 x 25 mm