PR34X – Belt Loader

RFID Reader

User Guide

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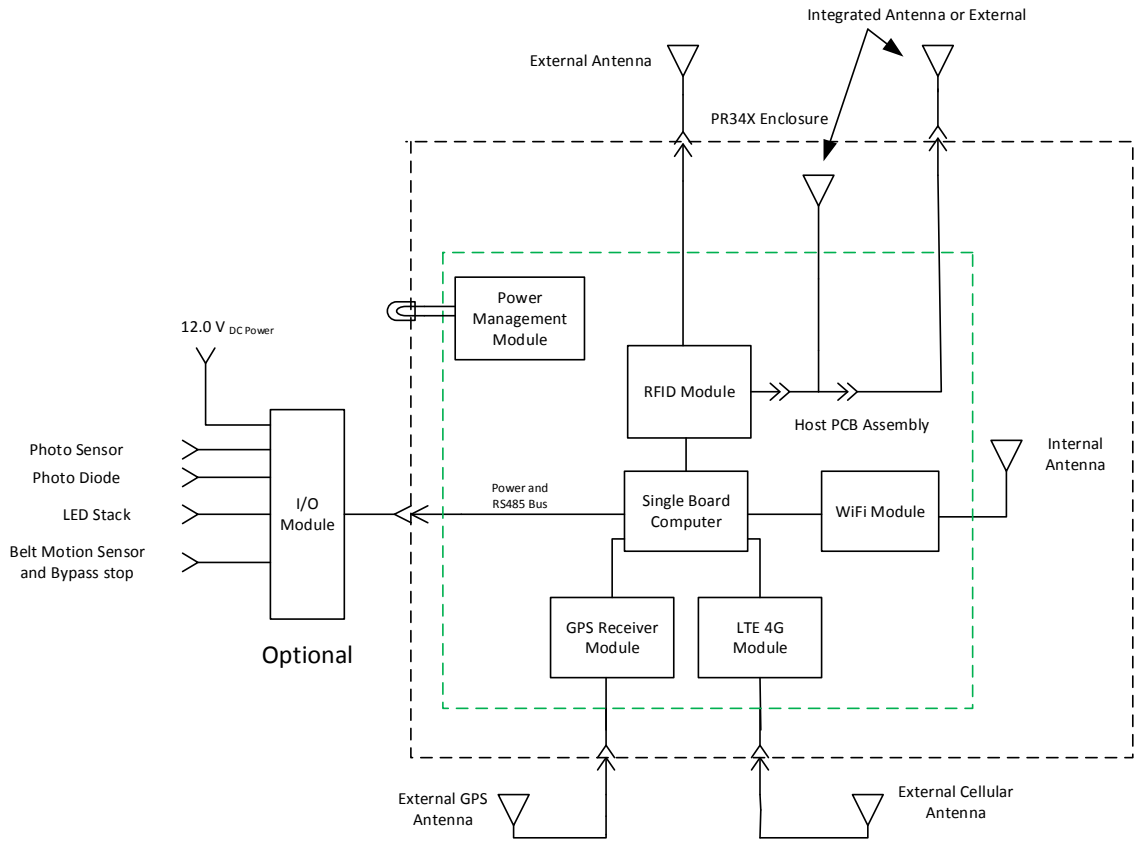
1. General

The PR34X-V and PR34X-A Belt Loader RFID (RAIN) Reader are exclusively designed for application in the United States. Application is specific for:

- placement on belt loaders used for loading baggage on aircraft
- use on Verizon Wireless Network (PR34X-V)
- use on AT&T Wireless Network (PR34X-A)

2. PR34X Block Diagram

PR34X-V, PR34X-A Block Diagram



3. Installation:

Installation and maintenance of the product is the sole responsibility of the Airline. (Installation procedures to be provided by Airline). Equipment is to be mounted in a secure way to ensure equipment cannot fall off or be easily knocked off. Mounting brackets and mounting bracket designs are the responsibility of the airline and or Belt Loader Manufacturer. It is recommended that the Airline and or Belt Loader Manufacturer consult with Lyngsoe Systems regarding mounting bracket design, placement and best practices to ensure optimum performance and compliance to FCC rules.

The unit comes with a standard wire harness.

Custom wire harnesses can be provided on request. A fee will be charged for this service.

Mounting instructions are to be provided by the airline, airline systems integrator or belt loader manufacturer and approved by Lyngsoe Systems Ltd.

Regarding Antenna installation: The antenna must be installed at a separation distance of at least 32 cm from all persons, and must not be co-located or operation in conjunction with any other antennas or transmitters.

4. Operation

Operation and function is specific for each application. Lyngsoe Systems and or its partner will provide approved middleware for relaying capture data to user application. Details and middleware performance are out of scope of this manual.

Radio module performance is limited to meet FCC and network provider requirements. They are not accessible or controllable by the end user.

FCC compliance

Caution:

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

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.

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.

(2) FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

To comply with FCC's RF radiation exposure requirements, all the antennas used with the Transmitters of this device must be installed such that a minimum separation distance of **32 cm** is always maintained between the closest point of any radiator (antenna) & its user's or any nearby person's body at all times. This device must not be co-located or operating in conjunction with any other antenna or transmitters.