VIZBEE
RFID PLATFORM

RFID Ethernet Gateway (FCC ID: 2AA2YETH101)

Installation and Operation Instructions

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.

1. General

The RFID gateway is used for locating persons and assets in proximity to the device, that are equipped with a Fireflies RFID tag and to communicate with other RFID readers, relaying all communication to an Ethernet network.

2. Installation Instructions

The device may be mounted on any type of support, but for better operation it is recommended avoiding mounting the device on a metal support.
The device may be mounted on walls, whether horizontally or vertically.
The device may be mounted from ceiling or above suspended ceiling.
The device may be mounted on the floor or under floating floor.

The device can be mounted either by using a standard glue or by screwing it to the support using the 2 holes at both ends of the device.

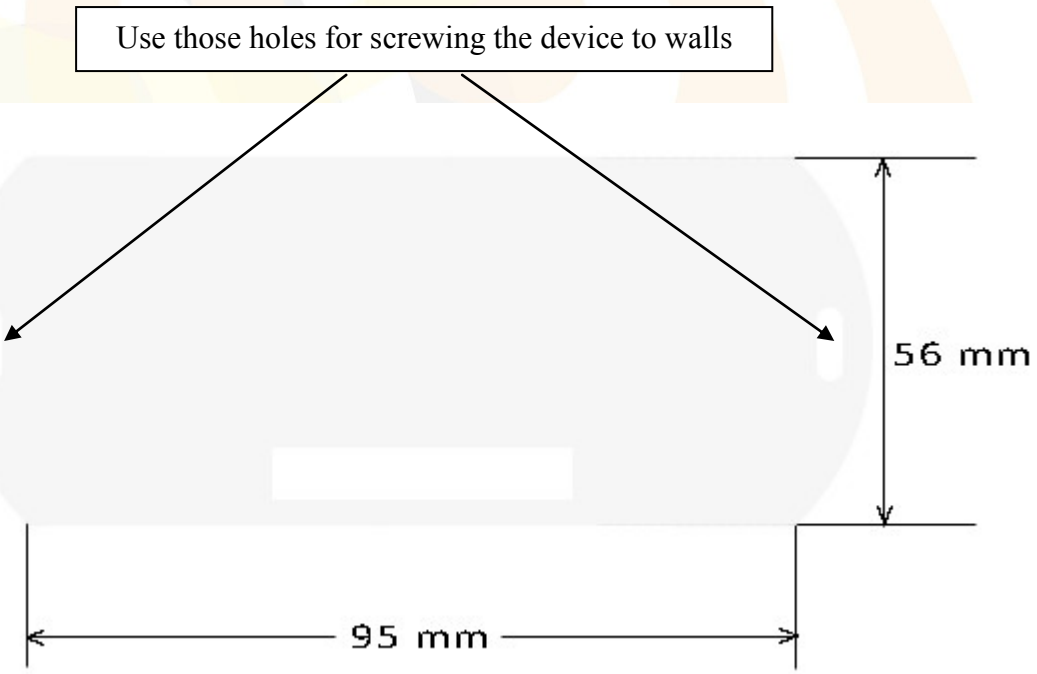

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Figure 1 -Device Mounting

3. Operation Instructions

3.1. Activating the Device

Once installed, the device should be connected to 5V DC adapter into the micro-USB entry. After connecting the power adapter, the device should be connected to network using standard RJ45 cable. The device should start blinking in green after a while.
Another option is to connect the device to POE network. In that case, no power adapter is needed.

3.2. Working with the Device

The device can receive transmissions from person tags (FCC ID 2AA2YPTAG101) and from RFID Readers (2AA2YREADER101) sending them through the network to a server. In order for the transmission to arrive to the gateway (and from there to a host computer), there should be a path from the device to the gateway, either directly or by relaying through other readers of the same type.

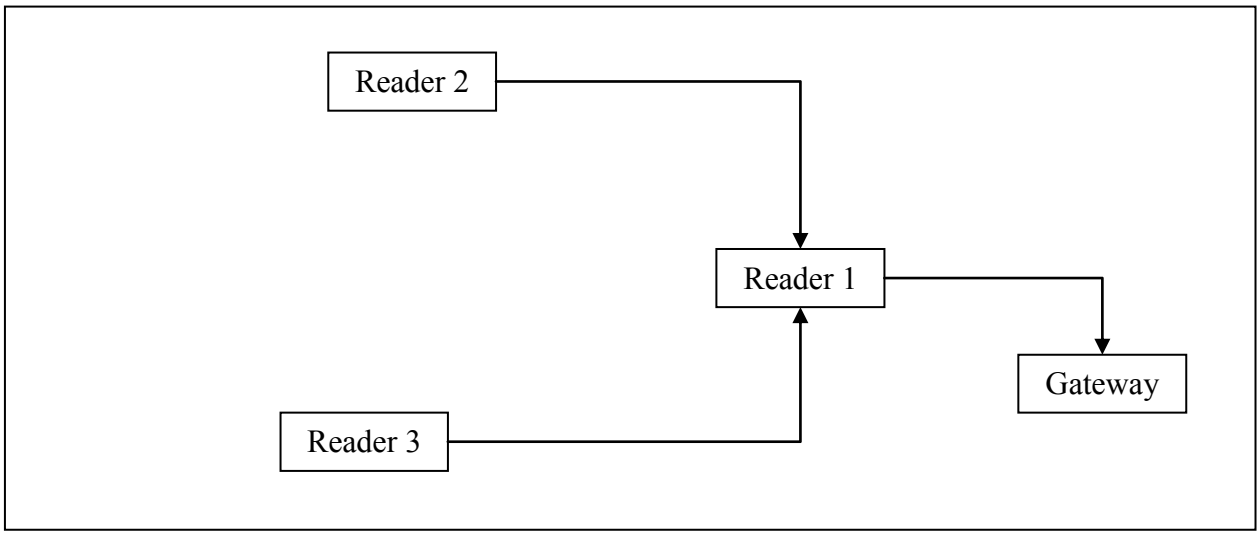

Figure 2 - Network Schema

In figure 2 Reader 1 connects directly with the gateway, whereas Readers 2 and 3 are too far from the gateway, so will reach through Reader 1.

3.3. Connecting to the Device

In order for the device to connect to the network, there should be a DHCP controller in the network, since the device supports only DHCP. The device could be found in the network using the MAC address printed at the side of the device next to the RJ45 jack.
After connecting the device to the network, a user program can receive information from the device through the network and send commands to the device itself or to other devices (tags, readers) through the network by opening a socket to the device's 6860 port.

3.4. Turning the Device Off

The device is turned off by disconnecting it from power.

4. Instructions concerning human exposure to radio frequency electromagnetic fields

To comply with FCC Section 1.1310 for human exposure to radio frequency electromagnetic fields, implement the following instruction:
A distance of at least 20cm between the equipment and all persons should be maintained during the operation of the equipment.

The FCC Wants You to Know

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:

a) Reorient or relocate the receiving antenna.
b) Increase the separation between the equipment and receiver.
c) Consult the dealer or an experienced radio/TV technician.

FCC Warning

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.