Gateway User's Guide

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Radio Frequency Compliance Statement

Trapeze Software Group, Inc. is the responsible party for the compliance of the following device:
MODEL: G200
FCC ID: 2AIHTG200A
IC: 21557-G200A

The user(s) of this product is cautioned to only use accessories and peripherals approved, in advance, by Trapeze Software Group, Inc. The use of accessories and peripherals, other than those approved by Trapeze Software Group, Inc., or unauthorized changes to approved products, may void the compliance of these products and may result in the loss of the user(s) authority to operate the equipment.

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

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.

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.

Industry Canada Compliance

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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

Installation Note

To comply with FCC radio frequency exposure compliance requirements, this device must be installed by a Trapeze Software Group certified technician. Please refer to Trapeze Software Group installation instructions for a list of approved peripheral devices.

Pour se conformer aux exigences de conformité de l'exposition aux fréquences radio de la FCC, cet appareil doit être installé par un technicien certifié de Trapeze Software Group. Reportez-vous aux instructions d'installation de Trapeze Software Group pour obtenir la liste des périphériques approuvés.

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Overview

The G200 is the latest release in the Trapeze Software Group line of proprietary RFID readers. The small design makes it an ideal choice for installation in transportation vehicles where space is often at a premium. The device connects to a network via an RJ-45 cable. It is also equipped with an antenna connector allowing for a variety of antenna types to be used. The power receptacle accepts a wide voltage input range from 8 to 40Vdc.

Gateway Configuration

Under normal operation, the gateway will reside in receive only state where it will listen for to be received from RFID tags communicating with the same proprietary protocol. During the commissioning of a system, installers will also be able to interface to the gateway through a server based application to send configuration signals to a nearby RFID tag.

The Gateway is factory programmed with the following default settings:

IP Address:	192.168.1.50
Subnet Mask:	255.255.255.0
IP Gateway:	192.168.1.1
Server IP Address:	192.168.1.254

During the installation of the device, your system installer will customize the settings to your network requirements. Once customized, be sure to note the new settings. These settings are required in order to commission the reader on the server based software application.

Gateway Operation

Due to the uniqueness of the entire installed system, there are no user accessible screens contained within the device. Operation of the device is controlled through the server based application software. During system commissioning, your installer will ensure the device is operating in accordance with the design parameters of you project.

Should you encounter any issues with your system, please contact your assigned Customer Care representative for assistance.

Appendix A

Specifications*

Antenna – 1 external connection
Network Connection – Ethernet
Operating System – Linux
Processor – 32bit ARM
Input Voltage – 8 to 40V dc, 2W
Dimensions – 3.4” x 2.5” x 1.2” (67mm x 8.5mm x 3mm)
Weight – 5.3oz (150g)
Housing – Aluminum
Environmental Rating – IP54
Operating Temperature - -22F to +158F (-30C to +70C)
Storage Temperature - -40F to +185F (-40C to +85C)

*Specifications subject to change without notice