TM-001 User's Manual

Precautions of use

Before using the reader/writer and card, read the following precautions. Be sure to adhere to the precautions to avoid malfunctions and failures caused by misuse. Note that we shall bear no responsibilities for collateral damages to the stored data caused by faults, malfunctions or failures of the reader/writer.

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

1. Avoid using the reader/writer in the presence of strong electromagnetic waves

The reader/writer supplies power to the card or tag via an electromagnetic wave to communicate with the card or tag. Presence of strong electromagnetic waves (especially waves with frequencies around 13.56 MHz) in the proximity of the reader/writer or card or tag will affect communication between the reader/writer and card or tag, causing reduced access area or inability to access the card. Be sure to test the reader/writer using the actual power source in the installation location environment before use.

2. Keep precision devices that may be affected by electromagnetic waves away from the reader/writer

Since the reader/writer constantly emits an electromagnetic wave (of around 13.56 MHz), placing precision devices that may be affected by electromagnetic waves near the reader/writer can cause malfunction or failure of the devices. When operating the reader/writer, keep precision devices away from the reader/writer. If such precision devices must be located near the reader/writer, shield the precision devices with a metal cover and be sure to test the devices to check for any influence.

3. Avoid using multiple readers in proximity to each other

The reader supplies power to the card or tag via an electromagnetic wave to communicate with the card or tag and thus constantly emits an electromagnetic wave (of around 13.56 MHz). Using multiple readers in proximity to each other will cause interference, interrupt communication between the card and reader, and prevent access to the card.

Others

- Use the reader/writer as a general-purpose communication tool (for terminals) such as OA devices.
- Use the reader/writer in a place unaffected by organic solvents, oils or water.
- Use the reader/writer in a place free of corrosive gases, toxic gases, or flammable gases.

Notices

Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the Federal Communications Commission (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.



CAUTION! You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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Safety statements

Regulatory Information/Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.



CAUTION! To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance [20cm] between the radiator and your body. Use on the supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.

Safety Information

In order to maintain compliance with the FCC RF exposure guidelines, this equipment should be installed and operated with minimum distance **[20cm]** between the radiator and your body. Use only with supplied antenna.

Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.



CAUTION! Any changes or modifications not expressly approved in this manual could void your authorization to use this device.

MPE Statement

Your device contains a low power transmitter. When device is transmitted it sends out Radio Frequency (RF) signal.

Safety statements

FCC Radio Frequency Exposure

This Wireless LAN radio device has been evaluated under FCC Bulletin OET 65C and found compliant to the requirements as set forth in CFR 47 Sections 2.1091, 2.1093, and 15.247(b)(4) addressing RF Exposure from radio frequency devices. The radiation output power of this Wireless LAN device is far below the FCC radio frequency exposure limits. Nevertheless, this device shall be used in such a manner that the potential for human contact during normal operation — as a mobile or portable device but use in a body-worn way is strictly prohibit. When using this device, a certain separation distance between antenna and nearby persons has to be kept to ensure RF exposure compliance. In order to comply with the RF exposure limits established in the ANSI C95.1 standards, the distance between the antennas and the user should not be less than [20cm].

RF Exposure

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.