

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Sonew](#) /
- › [Sonew 125Khz RFID Access Card User Manual](#)

Sonew Sonewtv42gamns

Sonew 125Khz RFID Access Card User Manual

Model: Sonewtv42gamns

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Sonew 125Khz RFID Access Cards. These cards are designed for reliable and efficient access control in various environments.



Figure 1.1: Sonew 125Khz RFID Access Cards (Pack of 10)

2. PRODUCT OVERVIEW

The Sonew 125Khz RFID Access Cards are passive RFID tags primarily used for proximity door control and entry access systems. Each package contains 10 readable and erasable cards, suitable for integration with most standard 125KHz card readers.

Key Features:

- **Quantity:** Includes 10 individual RFID access cards.
- **Frequency:** Operates at 125 KHz, compatible with standard 125KHz card readers.
- **Reading Distance:** Effective reading range of 5-10 cm (2-4 inches).
- **High Sensitivity:** Designed for reliable and quick recognition by compatible readers.
- **Durability:** Features an erasable life of over 100,000 times, indicating re-programmability.
- **Versatile Application:** Suitable for use in various environments including homes, schools, offices, and commercial buildings.



Figure 2.1: Diverse applications of the RFID Access Cards.

3. SETUP AND PROGRAMMING

These RFID cards are designed to be integrated with existing 125KHz access control systems. The setup process primarily involves programming the cards with your specific access control reader/writer.

Programming Instructions:

1. **Acquire a Compatible Reader/Writer:** Ensure you have a 125KHz RFID card reader/writer device. This device is necessary to read the unique ID of the cards and, if supported by your system, to write specific data to them.
2. **Refer to Your System's Manual:** The exact programming steps will depend on your specific access control system or RFID reader/writer. Consult the instruction manual provided with your access control system for detailed programming procedures.
3. **Enroll Cards:** Typically, you will place an RFID card on the reader/writer, and the device will either read its unique identifier or allow you to write new data to it. Follow your system's prompts to enroll each card into your access control database.
4. **Test Functionality:** After programming, test each card with your access control system to ensure it grants access as intended.

Note: While these cards are described as "readable" and having an "erasable life," their specific writability features depend on the capabilities of your 125KHz RFID reader/writer and access control system. Some systems may only utilize the pre-programmed unique ID of the card.

4. OPERATING THE ACCESS CARDS

Once programmed, using the Sonew 125KHz RFID Access Cards is straightforward. They operate on proximity technology, requiring no physical contact with the reader.

Usage Steps:

1. **Approach the Reader:** Hold the RFID access card within the reading range (typically 5-10 cm) of the compatible

125KHz access control reader.

2. **Wait for Confirmation:** The reader will typically provide an audible beep or a visual indicator (e.g., an LED light changing color) to confirm that the card has been successfully read and access has been granted or denied.
3. **Enter/Exit:** If access is granted, proceed through the controlled entry point.



Figure 4.1: Illustrative diagram of card usage with a reader.



Figure 4.2: RFID card interacting with a door access control system.

5. MAINTENANCE AND CARE

To ensure the longevity and reliable performance of your RFID access cards, follow these simple maintenance guidelines:

- **Keep Clean:** Wipe the cards periodically with a soft, dry cloth to remove dust and grime. Avoid abrasive cleaners.
- **Avoid Extreme Conditions:** Do not expose the cards to extreme temperatures (outside -20°C to 55°C), direct sunlight for prolonged periods, or high humidity.
- **Prevent Physical Damage:** Avoid bending, scratching, or puncturing the cards, as this can damage the internal antenna or chip.
- **Store Properly:** When not in use, store cards in a clean, dry place, away from strong magnetic fields or other RFID devices that could interfere with them.

6. TROUBLESHOOTING

If you encounter issues with your Sonew 125Khz RFID Access Cards, consider the following troubleshooting steps:

- **Card Not Reading:**
 - Ensure the card is within the reader's specified reading distance (5-10 cm).
 - Verify that the reader is powered on and functioning correctly.
 - Confirm the card has been properly programmed and enrolled in your access control system.
 - Check for any physical damage to the card.
- **Access Denied:**
 - Confirm the card is correctly programmed for the specific access point.
 - Check the access control system's logs for reasons for denial (e.g., invalid card, expired access).
 - Ensure the card is presented correctly to the reader.
- **Inconsistent Reading:**
 - Avoid holding multiple RFID cards together when presenting to a reader, as this can cause interference.
 - Ensure there are no strong electromagnetic fields near the reader or card during use.

If problems persist, consult the manual for your specific access control system or contact the system administrator/installer.

7. SPECIFICATIONS

Feature	Specification
Working Frequency	125 KHz
Reading Distance	5 - 10 cm (2 - 4 inches)
Reading Time	64 ms
Working Temperature	-20°C to 55°C (-4°F to 131°F)
Erasable Life	> 100,000 times
Dimension	Standard thick card
Packaging Materials	PVC, PET, ABS, 0.13 mm copper wire
Encapsulation Process	PVC laminated

Feature	Specification
Weight (per 10 cards)	Approx. 90g (3.17oz)
Manufacturer	Sonew
Model Number	Sonewtv42gamns
Country of Origin	China

8. WARRANTY AND SUPPORT

Specific warranty details for the Sonew 125Khz RFID Access Cards are not provided in the product information. For any product-related inquiries, technical support, or warranty claims, please refer to the seller or the platform where the product was purchased.

You may also visit the [Sonew Store on Amazon](#) for additional information or contact options.

