OBO HANDS T5577

OBO HANDS T5577 125kHz Writable Rewritable RFID Card Instruction Manual

1. Introduction

This manual provides essential information for the proper use and understanding of your OBO HANDS T5577 125kHz Writable Rewritable RFID Cards. These cards are designed for various applications including access control systems and time attendance. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product.

2. Product Overview & Specifications

The OBO HANDS T5577 RFID cards are high-quality, rewritable proximity cards operating at 125kHz. They are ideal for systems requiring customizable card data.

Image 2.1: A pack of ten OBO HANDS T5577 125KHz Writable RFID Cards, illustrating the product packaging and quantity.

Key Features:

- Chip: T5577
- Operating Frequency: 125kHz
- Sensing Distance: 5 - 8cm
- Thickness: 0.8mm
- Material: PVC
- Function: Read/Write (protected by password)
- Memory Size: 330-bits EEPROM (10 blocks, 33-bits each)

Technical Specifications:

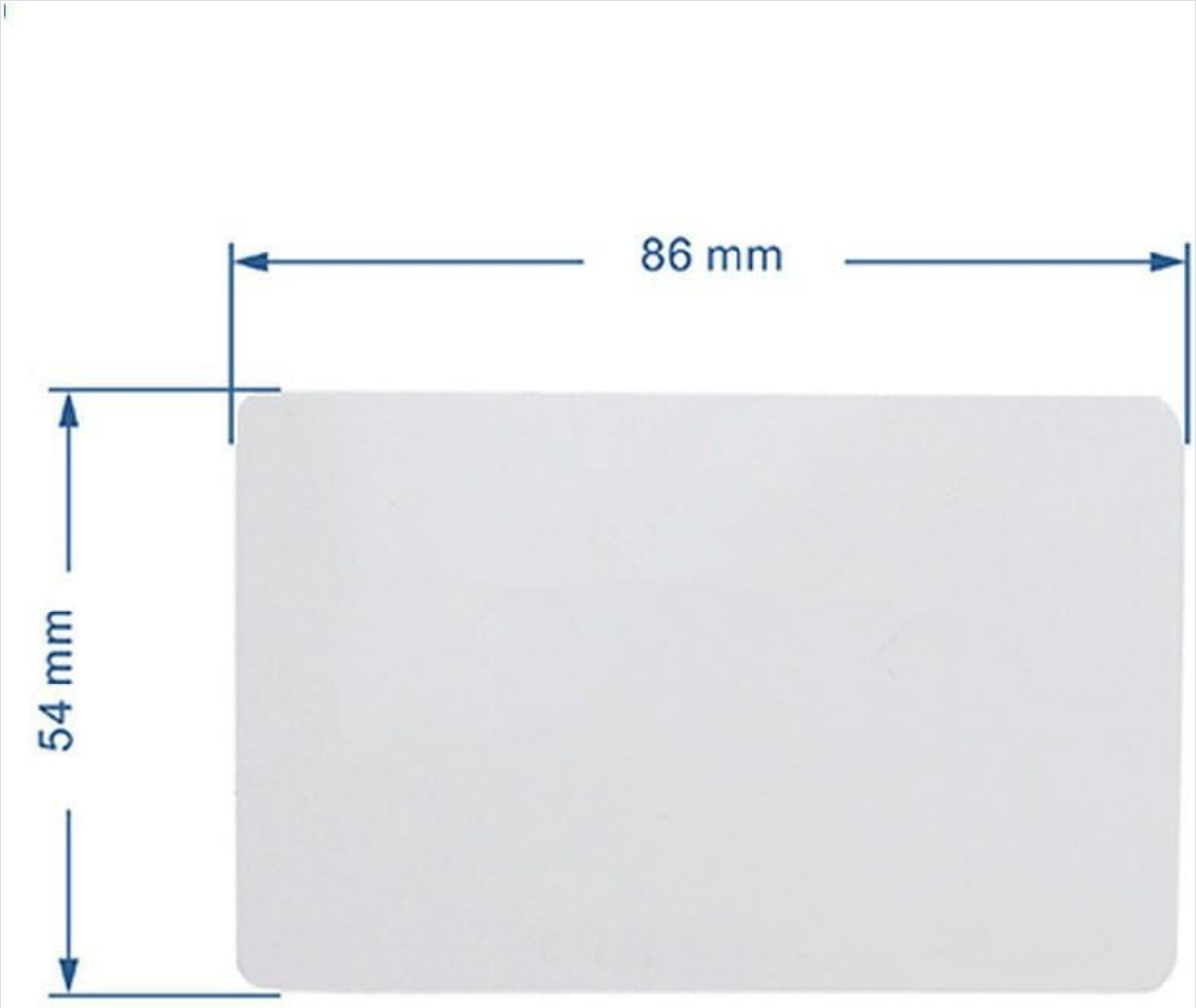


Image 2.2: A diagram illustrating the standard dimensions of an RFID card, measuring 86mm by 54mm.

Specification	Value
Brand Name	OBO HANDS
Card Dimensions	85.5 x 54 x 0.84mm (ISO Credit Card Size)
Material	PVC
Standard	125KHz T5577 Re-writable Cards
Chip	Atmel T5577
Working Frequency	125KHz
Memory Size	330-bits EEPROM (10 blocks, 33-bits each)
Item Weight	0.704 ounces
Package Dimensions	3.46 x 2.52 x 0.39 inches

3. Setup and Writing Instructions

To utilize the rewritable functionality of the T5577 cards, a compatible 125kHz RFID card reader/writer is required. The cards are designed to have their internal code written or rewritten, which is distinct from writing general data (like dates or names) using tools such as Android Mifare Classic Tool or NFC Tools.

Image 3.1: A visual guide demonstrating the process of writing to an RFID card using a handheld RFID writer. The steps include powering on, placing the card, pressing read/write buttons, and confirming completion.

Steps for Writing to T5577 Cards (using a compatible RFID writer):

1. **Power On:** Switch on your handheld RFID writer. The power LED should flash once.
2. **Read Source Card:** Place the RFID ID Card (the source card you wish to clone or copy) in the designated read area of the writer.
3. **Initiate Read:** Press the 'Read' button on the writer. The green LED should flash with beep sounds, indicating a successful read.
4. **Prepare Target Card:** Remove the source card and place the blank T5577 RFID card (the target card to be written) in the read/write area.
5. **Initiate Write:** Press the 'Write' button on the writer. The yellow LED should flash with beep sounds, indicating the writing process.
6. **Completion:** Once the process is complete, the card is ready for use.

Note: The RFID card writer is not included with the T5577 cards and must be acquired separately.

4. Operating Instructions

Once the T5577 RFID cards have been successfully written with the desired internal code, they function as

standard 125kHz proximity cards. To operate:

- **Presentation:** Present the programmed T5577 card to a compatible 125kHz RFID reader (e.g., an access control panel, time clock, or door entry system).
- **Proximity:** Ensure the card is within the sensing distance (typically 5-8cm) of the reader for detection.
- **Confirmation:** The reader will process the card's internal code. A successful read is usually indicated by an audible beep, a green light, or an unlock mechanism, depending on the system.

These cards are designed for read/write operations, meaning their internal code can be changed multiple times using a compatible writer. This flexibility allows for re-purposing cards as needed within your system.

5. Maintenance

To ensure the longevity and reliable performance of your OBO HANDS T5577 RFID cards, follow these simple maintenance guidelines:

- **Keep Clean:** Wipe cards periodically with a soft, dry cloth to remove dust and grime. Avoid abrasive cleaners.
- **Avoid Extreme Conditions:** Do not expose cards to extreme temperatures, direct sunlight for prolonged periods, or harsh chemicals.
- **Prevent Physical Damage:** Avoid bending, scratching, or puncturing the cards, as this can damage the internal chip or antenna.
- **Store Properly:** When not in use, store cards in a clean, dry place away from strong magnetic fields.

6. Troubleshooting

If you encounter issues with your T5577 RFID cards, consider the following troubleshooting steps:

- **Card Not Writing:**
    - Ensure you are using a dedicated 125kHz RFID card reader/writer. Generic NFC tools (like Android Mifare Classic Tool) are designed for writing data to different types of chips and will not write the internal code of a T5577 card.
    - Verify the card is correctly placed in the writer's read/write area.
    - Check if the writer's battery is sufficiently charged.
    - Some T5577 cards might be password-protected. If you are attempting to rewrite a card that was previously programmed, ensure you have the necessary permissions or a writer capable of overriding protection.
- **Card Not Reading (by access control system):**
    - Confirm the card was successfully written with the correct internal code for your access control system.
    - Ensure the access control reader is compatible with 125kHz RFID cards.
    - Present the card within the reader's optimal sensing range.
    - Check for any physical damage to the card that might affect its functionality.
    - Verify that the card's ID has been properly enrolled in your access control system's database.
- **Inconsistent Performance:**
    - Avoid placing the card near other RFID cards or metallic objects during use, as this can

interfere with the signal.
- Ensure the card is not exposed to strong electromagnetic interference.

7. Warranty and Support

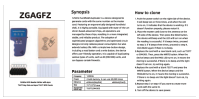
OBO HANDS is committed to providing high-quality products. For any questions or issues regarding your T5577 RFID cards, please contact our support team.

Contact Information:

- **WhatsApp Support:** +86 177 2255 8183
- **Availability:** Monday - Sunday, 24/7

Our team is available to assist you with product inquiries, technical support, and any concerns you may have.

Related Documents - T5577

	SYNACORP USB RFID Reader Writer (USB-203) User Guide & Specifications Comprehensive guide to the SYNACORP USB RFID ID Card Reader Writer (Model USB-203). Learn about its specifications, setup, reading, writing, and automatic reader modes for applications like access control and ticketing.
	HD-RD80 Wired USB RFID Card Reader User Manual User manual for the HD-RD80 wired USB RFID card reader by HDWR. Details specifications, package contents, features, and installation for identifying goods and individuals using RFID technology.
	ZGAGFZ 125KHz RFID Reader Writer User Manual and Cloning Guide Comprehensive guide to the ZGAGFZ 125KHz RFID Reader Writer, covering its features, parameters, cloning instructions for EM4100, HID, and AWID cards, and FCC compliance information.

	[Instrukcja obsługi czytnika RFID HD-RD30 125 kHz] Przewodnik użytkownika dla przewodowego czytnika RFID HD-RD30 firmy HDWR, działającego na częstotliwości 125 kHz. Dokument zawiera szczegółowe specyfikacje, zawartość zestawu, cechy produktu oraz instrukcje krok po kroku dotyczące podłączania, przygotowania, procesu odczytu i konserwacji urządzenia.
	[SYNACORP 125 kHz USB RFID ID Card Reader Writer Instruction Manual] This document provides instructions for the SYNACORP 125 kHz USB RFID ID Card Reader Writer. It covers RFID technology basics, product specifications, packing list, and detailed guides on using the ID Card Re-Writer software for reading and writing RFID cards and key fobs.
	[125KHz RFID Re-write User Manual] User manual for the 125KHz RFID Re-write device, detailing its parameters, cloning process for EM4100, HID, and AWID cards, and FCC compliance information.