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› ASHATA RFID 125KHz/13.56MHz Access Control Card Reader User Manual

ASHATA ASHATAhbm95wxgrk-01

ASHATA RFID 125KHz/13.56MHz Access Control Card Reader User Manual

Model: ASHATAhbm95wxgrk-01

1. PRODUCT OVERVIEW

The ASHATA RFID Access Control Card Reader is an elegant, waterproof metal touch access controller designed for secure single-entry door management. It supports both 125KHz ID and 13.56MHz IC frequencies, offering versatile access solutions. This device allows for independent access control, managing up to 1000 users through RFID cards, passwords, or a combination of both.



Figure 1: ASHATA RFID Access Control Card Reader, front view.



Figure 2: The access control reader is suitable for single entry door applications.

2. KEY FEATURES

- **Dual Frequency Support:** Compatible with both 125KHz (ID) and 13.56MHz (IC) RFID cards.

- **High User Capacity:** Supports up to 1000 users for comprehensive access management.
- **Multiple Verification Methods:** Access can be granted via RFID card, password, or a combination of RFID card and password.
- **Waterproof Design:** Features an IP65 waterproof rating, making it suitable for outdoor installation.
- **Durable Construction:** Housed in an elegant metal casing with a narrow bezel design.
- **Wiegand Support:** Supports external Wiegand readers for enhanced system integration.
- **Integrated Functions:** Includes an exit button and doorbell input function for convenience.
- **Independent Access Control:** Allows for direct management of user passwords and cards without requiring a separate controller.



Figure 3: Visual representation of key features including ID/IC card support, user capacity, and waterproof rating.

Stylish Touch Access Controller with 10 Access

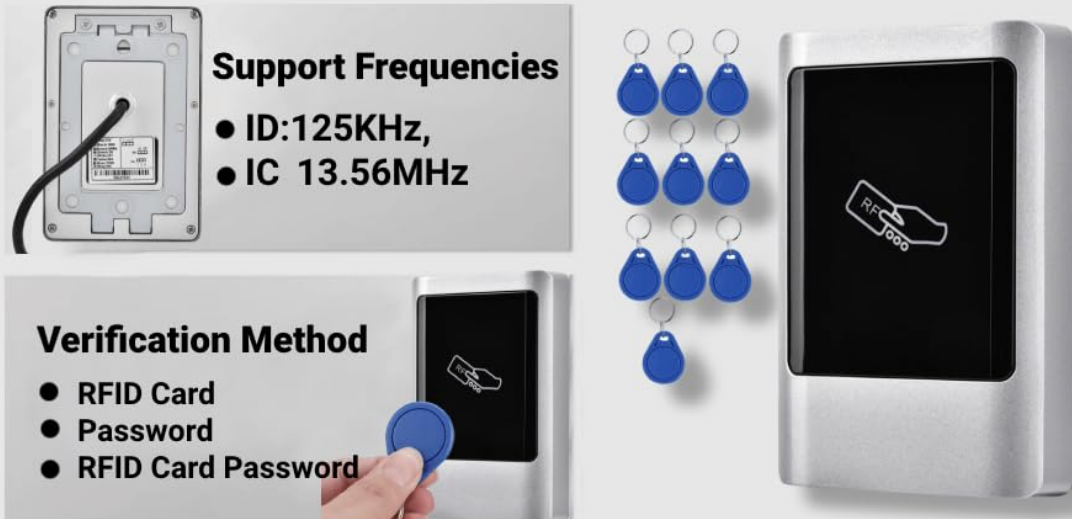


Figure 4: Overview of the stylish touch access controller, highlighting supported frequencies and verification methods.

Supported Frequencies

ID:125KHz, IC: 13.56MHz



Figure 5: The device supports both 125KHz ID and 13.56MHz IC frequencies.

3. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	ASHATAhbm95wxgrk-01
Brand	ASHATA
Product Dimensions (L x W x H)	1 x 1 x 1 cm; 380 grams
Color	ID (Refers to ID card frequency type)
Finish	Standard
Material	Metal
Power Source Type	AC Adapter Powered
Voltage	1 Volts
Installation Method	DIY Wireless
Included Components	RFID Card Reader
Connectivity Technology	Wired
Control Method	Touch
Country of Origin	China

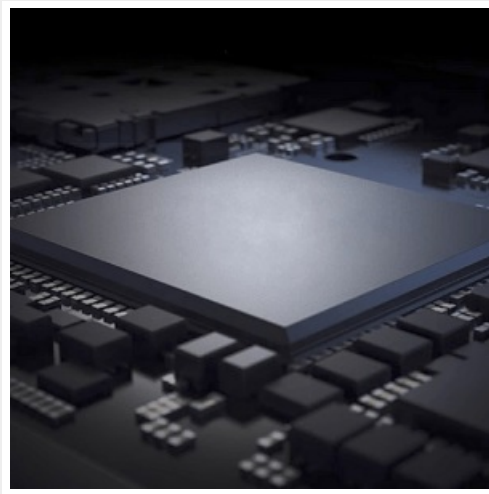


Figure 6: The device features an advanced internal chip for reliable performance.

4. INSTALLATION AND SETUP

This device is designed for DIY wireless installation, meaning it can be integrated into existing systems with appropriate wiring. Ensure all connections are secure and follow local electrical codes.

4.1 Wiring Diagram

Refer to the diagram below for proper wiring connections. The device typically requires a 12V power supply. Connect the appropriate wires for power, lock control, and any external Wiegand readers or doorbell functions.



Figure 7: Rear view of the access control reader with wiring terminals. Reference number: D8L01833.

4.2 Power Supply

The unit is powered by an AC adapter (not always included, check package contents). Ensure the power supply matches the device's voltage requirements (1 Volt, typically 12V DC for access control systems, please verify with product label if different from specification). Incorrect voltage can damage the device.



Figure 8: The IP65 waterproof design allows for outdoor installation, even in rainy conditions.

5. OPERATING INSTRUCTIONS

The ASHATA RFID Access Control Card Reader offers flexible access methods. Detailed programming instructions for adding/deleting users and setting up access modes are typically provided in a separate programming guide or on-screen menu (if applicable).

5.1 Adding Users (Cards/Passwords)

To add new RFID cards or user passwords, enter the programming mode (usually by a master password). Follow the on-screen prompts or specific key sequences to register new credentials. The device supports up to 1000 users.



Large storage RFID capacity: 1000
Wiegand output/input,
multi-function device,

Figure 9: The system can manage up to 1000 RFID cards or user credentials.

5.2 Accessing with Card

Present a registered RFID card or key fob to the reader's surface. The device will emit an audible signal and/or illuminate an indicator light upon successful verification, unlocking the door.

support for external Wiegand readers or for accessing card readers.



Figure 10: Presenting a registered RFID card or key fob for access.

5.3 Accessing with Password

Enter your registered password using the touch keypad. Confirm the entry (usually with a '#' or 'Enter' key). The device will verify the password and grant access if correct.

5.4 Accessing with Card + Password

For enhanced security, the device supports a card + password verification method. Present your registered RFID card, then immediately enter your password on the keypad to gain access.



Fully independent access control, can directly realize user passwords, cards and other functions management.

Figure 11: The device offers fully independent access control management.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ASHATA RFID Access Control Card Reader, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the surface of the reader with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or touch screen.
- **Waterproof Integrity:** While the device is IP65 waterproof, ensure that all wiring connections are properly sealed and protected from moisture to maintain its integrity, especially in outdoor installations.
- **Environmental Conditions:** Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods, as this may affect performance and lifespan.



Figure 12: The waterproof feature ensures durability in various weather conditions.

7. TROUBLESHOOTING

If you encounter issues with your access control reader, refer to the following common problems and solutions:

- **Device Not Powering On:**

- Check the power supply connection and ensure it is securely plugged in.
- Verify that the power adapter is functioning correctly and providing the specified voltage (12V DC).
- Inspect wiring for any loose or incorrect connections.

- **RFID Card Not Reading:**

- Ensure the card is registered in the system.
- Confirm the card's frequency (125KHz ID or 13.56MHz IC) matches the device's supported frequencies.
- Present the card directly to the reader's surface.
- Check for any interference from other electronic devices nearby.

- **Password Not Working:**

- Verify that the correct password is being entered.
- Ensure the device is not in programming mode.
- If using card + password, ensure the card is presented correctly before entering the password.

- **Door Not Unlocking:**

- Check the wiring connection to the electric lock.
- Ensure the lock itself is functioning correctly.
- Verify that the access credentials (card/password) are valid and correctly entered.

8. WARRANTY AND SUPPORT

ASHATA provides a manufacturer warranty for this product. For specific warranty terms and duration, please refer to your purchase documentation or contact the seller directly. The typical manufacturer warranty period is 1 year. In case of any usage problems, technical difficulties, or dissatisfaction with your product, please do not hesitate to contact our professional customer service team. We are committed to addressing your concerns sincerely and providing timely support.

For support, please reach out to the seller or ASHATA customer service via the contact information provided at the point of purchase.