



RTMU86

Ethernet Wiegand NFC and 2d barcode Scanner



Presently, more and more access control system begins to mix bar code reading and NFC reading together, while traditionally, the Wiegand interface is widely used for the access control system. But at the same time, wireless or Ethernet data transfer becomes a trend and would be more and more popular for access control data transfer, because wireless or Ethernet is somehow more convenient, easy to install, supports remote control, and also it would be more cost-effective.

This RT-MU86 aims to meet this market requirement and the trend, it supports either Wiegand interface or Ethernet, read both bar codes and NFC, it's outstanding in:

- | **Capable to read both bar code and NFC card**

The RT-MU86 can read 1d code, 2d and QR bar code, and **NFC card**. This makes it as a two-in-one terminal.

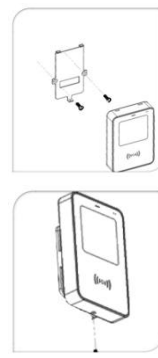
- | **Support Ethernet or Wiegand (optional)**

Except RS485 interface, the RT-MU86 also supports **Wiegand and Ethernet** communication.



- **Holder design for easy installation**

Just fix the holder in the wall via 2 screws, then fix the reader in the holder and lock it by the screw from the bottom, done.



- **Built-in relay**

With Built-in relay and 12V-24V wide voltage input, the RTMU86 can connect to the access control system directly and no need Voltage conversion equipment.

Performance	Image Sensor	640 * 480 CMOS	
	Reading distance	0-10cm (differ for different size code)	
	Reading speed	100ms per scan	
	Scanning window	60*56mm	
	Symbologies	2D	QR Code, PDF417, Aztec, etc.
		1D	EAN-13 ISBN-10, CODE_39, CODE_93, CODE_128, ITF, etc.
	Scan Mode	Sense mode: detect and read automatically	
	Scan Angle	Roll: 360°, Pitch: ±63.5°, Skew: ±59.5°	
	Field of View	Horizontal 72°, Vertical 54°	
	Resolution	≥7mil	
Min. Symbol Contrast	25%		
Mechanical/ Electric	Interface	RS485, Wiegand, Ethernet (Built-in Relay)	
	Dimensions	132mm*88mm*21mm	
	Weight	200g	
	Notification	Buzzer, Blue\white state indicator light, Red\green read indicator light	
	Operating Voltage	12V-24V	
	Current	100mA (Typically 12V)	
NFC	13.56Mhz ID card	Only supports reading the physical card number. Mifare_Ultra Light, Mifare_Ultra Light 01, Mifare_One(S50), Mifare_One(S50) 02, Mifare_One(S70), Mifare_One(S70) 03, Mifare_Pro(X), Mifare_Pro(X) 04, Mifare_DESFire, Mifare_DESFire 05	
Environmental	Operating Temperature	-20°C to 70°C	
	Storage Temperature	-40°C to 80°C	
	Humidity	5% to 95% (non-condensing)	
	Environment illumination	0~80000LUX (not direct sunlight)	

Application:

Can be widely used for all kinds of access control applications.

- Office victors access control
- Building access control
- Factory access control
- Museum
- Tourist sites
- School
- ...

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