# ER750
# ER755

## Mifare® Ethernet Reader


**Introduction:**
ER750/ER755 series are available for user's end configuration by applying MIFARE® UID(ER750) and MIFARE® Sector(ER755) technology. They can be configured to read MIFARE® Classic cards, or can be configured to read the user-defined sector data (Non-MAD) in a user defined closed system.

| | |
|---|---|
| **Indoor/outdoor Design** | Weather resistant. Protection Classification: IP66 |
| **Interface** | Ethernet |
| **LED/Buzzer** | Internal LED and buzzer are configurable. |
| **Multi-Applications** | Supports MIFARE® UID and Non-MAD format with user-defined sector number. |
| **Multi-Readers** | Can be set with a Reader ID number for multi-unit communication |
| **Certification** | R&TTE / FCC |
| **Door control** | Set built-in relay period time to open the door. |

**Applications:**
- Access Control System
- Time attendance
- Guest registration system
- Authorization Identification
- Identity Authentication

### FCC Warning Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Specifications:**

| Model No. | **ER750** | **ER755** |
|---|---|---|
| Interface | Ethernet (Via CAT-5 / CAT-6) | |
| Applications | MIFARE® UID Only | MIFARE® Sector Data (Non-MAD) |
| Power Requirements | DC 7.5 V~24 V /125mA@12V ※ A regulated power is recommended | |
| Card type | MIFARE® Classic(1K/4K) | |
| Maximum reading distance | Mifare®(4 Byte):Up to 7 cm (MFA01A) ; Mifare®(7 Byte):Up to 4 cm | |
| Frequency | 13.56 MHz standard | |
| Audio / Visual Indication | Internal LED and Buzzer | |
| Relay | Built-in Relay ( 5A 120VAC or 5A 24VDC ) | |
| Dimensions | 112.3 L x 96W x 22D mm | |
| Housing material | ABS housing | |
| Environment | Operating temperature 0 ˚C ~ +60 ˚C ; Operating relative humidity 10~90% | |
| Protection Classification | IP66 | |
| Certification | R&TTE / FCC | |

※ Specification is subject to change without notice.

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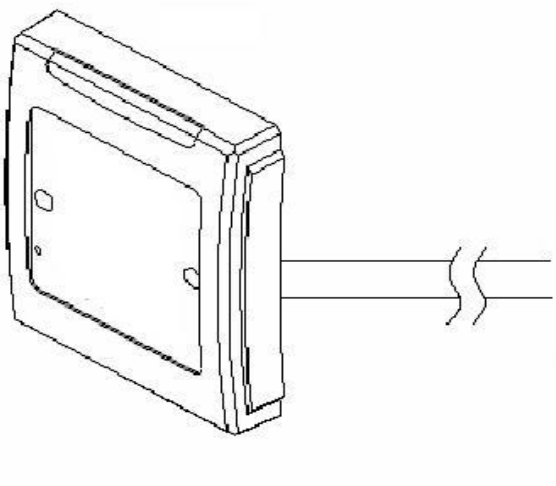
## Wires Assignment

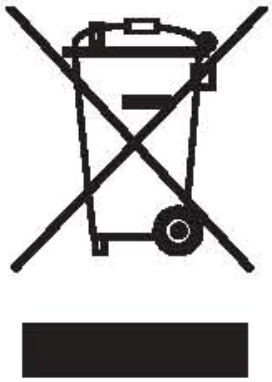
**Wires Assignment**

| Connector | Symbol | I/O | Without P.O.E Module | With P.O.E Module |
|---|---|---|---|---|
| **Terminal-Block** | VIN | IN | Power Input : DC 7.5~20V | |
| | GND | IN | Power Ground | |
| | NO | OUT | Normal Open of built-in relay | |
| | COM | OUT | Common of built-in relay | |
| | NC | OUT | Normal Close of built-in relay | |
| **RJ45** | Net | IN | Connect to the Ethernet HUB | Connect to the P.O.E HUB |

To configure the ER750 reader you need to connect the reader to the Ethernet first as below:



The above housing is for reference only



**CAUTION:**

The crossed out wheeled bin label that can be found on your product indicates that this product should not be disposed of via the normal household waste stream.
To prevent possible harm to the environment or human health please separate this product from other waste streams to en-sure that it can be recycled in an environmentally sound manner.
For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.
This information only applies to customers in the European Union.

For other countries, please contact your local government to investigate the possibility of recycling your product.

# Installation options