

DHI-ZM109E

RFID Card Issuer



Series Overview

The RFID Reader Series reliably reads, filters, and uploads data from electronic tags, such as the digital license plates of mopeds, making it ideal for traffic control, vehicle access management, and improving the convenience of public travel.

Scene

Suitable for card issuance venues that require cards to be issued from a desktop.

Technical Specification

Radio Frequency

Air Interface Protocol	ISO18000-6C
Antenna Polarization	Linear polarization
Operating Frequency	865 MHz–868 MHz (configurable)
Operating Frequency Accuracy	Error no greater than ± 5 ppm
Read/Write Performance	Static: Recognition ≤ 20 cm (7.87"); Read range ≤ 20 cm (7.87"); Write range ≤ 20 cm (7.87")

Power

Operating Voltage	12 VDC
Rated Power	≤ 20 W

Reliability

Operating Temperature	-10°C to $+50^{\circ}\text{C}$ ($+14^{\circ}\text{F}$ to $+122^{\circ}\text{F}$)
Storage Temperature	-40°C to $+80^{\circ}\text{C}$ (-40°F to $+176^{\circ}\text{F}$)
Operating Humidity	5%–95% (RH), non-condensing

- Air Interface Protocol: Complies with the ISO18000-6C standard
- Operating Frequency: 865 MHz–868 MHz
- Read and Write Performance: Recognition ≤ 20 cm; read range ≤ 20 cm; write range ≤ 20 cm
- 1 $\times$ RS-232 and 1 $\times$ 10/100 Base-T Ethernet ports
- Protection: IP52 rated

Atmospheric Pressure	Operates normally in areas where the ground-level atmospheric pressure is 53.5 ± 2 kPa
Protection	IP52
MTBF	$\geq 15,000$ hours

Others

Communication Port	1 $\times$ RS-232 1 $\times$ 10/100 Base-T Ethernet
Power Consumption	5 W
Material	PC + ABS
Certification	CE-EMC; CE-LVD; CE-RED
Product Dimensions	110 mm $\times$ 160 mm $\times$ 32.7 mm (4.33" $\times$ 6.30" $\times$ 1.30") (L $\times$ W $\times$ H)
Net Weight	280 g (0.62 lb)
Gross Weight	630 g (1.39 lb)

Ordering Information

Type	Model	Description
RFID Card Issuer	DHI-ZM109E	RFID Card Issuer

Dimensions (mm[inch])

