



# UHF reader

## Model: UHF 5F lite

# Mid-distance Integrated Reader – 860 ~ 960MHz

## AD-SM109

◆ UHF 5F lite is a High Performance UHF integrated reader for long range operation. The reader operates in frequency range of 860MHz~960MHz design to read ISO18000 - 6C and ISO18000 - 6B protocol ID Tag. The reader can be widely applied in many RFID application systems such as logistics, access control, and anti-counterfeit and industrial production process control system.



front



behind



accessories



packaging



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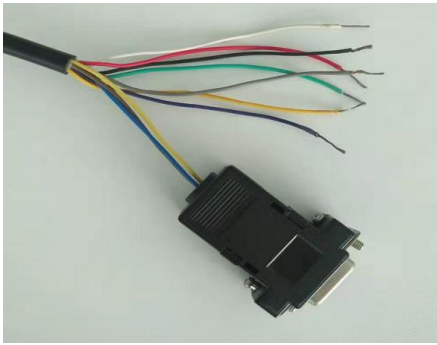
## Specification:

| ITEMS                         | DESCRIPTION  |
|-------------------------------|--|
| Model:                        | UHF 5F lite  |
| System Parameter:             | ARM7+UHF model   |
| Operating Frequency:          | International (920~925MHz)<br>USA (902~928MHz)<br>EUR(865~868MHz)<br>Others (Customized Tag) |
| Read Range:                   | >8m  |
| Group of reading performance: | >50PCS   |
| Support Protocol:             | ISO18000-6B, ISO18000-6C (EPC GEN2)  |
| Frequency Hopping Mode :      | Fixed Frequency Band and FHSS Software Programmable;   |
| Operating Mode:               | Master - Slave Mode (Online Mode) 、Time Scheduled Modes、Trigger Mode                         |
| Communication Port:           | RS232、RS485、Wiegand26、Wiegand34、RJ45、WIFI、GPRS、USB   |
| Power:                        | +12V   |
| Prompt:                       | Beep or LED light flash  |
| Power Consumption:            | < 3W   |
| OPERATING ENVIRONMENT         |  |
| Operation:                    | -20℃ ~ +70℃ (Customized)   |
| Humidity:                     | 20% ~ 95% (without condensation)   |
| Storage:                      | -40℃ ~ +125℃   |
| PHYSICAL PARAMETER            |  |
| Dimension/packing:            | 260x260x60MM / 390x270x80MM  |
| Net Weight:                   | 1250G  |
| Weight:                       | 2000G  |
| ACCESSORIES                   |  |
| Software Pack (Optional):     | API Software Development Kits complete with VB,C#Sample Program                              |

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## Specification:

### Core definition



### Core definition

| ITEM   | DESCRIPTION |
|--------|-------------|
| RED    | +12V        |
| BLACK  | GND         |
| BROWN  | RS232 TXD   |
| YELLOW | RS232 RXD   |
| BLUE   | RS232 GND   |
| GRAY   | TRIGGER     |
| PURPER | RS485 R-    |
| ORANGE | RS485 R+    |
| GREEN  | DATD0       |
| WHITE  | DATD1       |

### Area of Application



Parking lot Management



Automotive and Transportation



Personnel management



Logistic Management



Product Line Management



Library Book Management

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### **FCC WARNING :**

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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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC' s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.