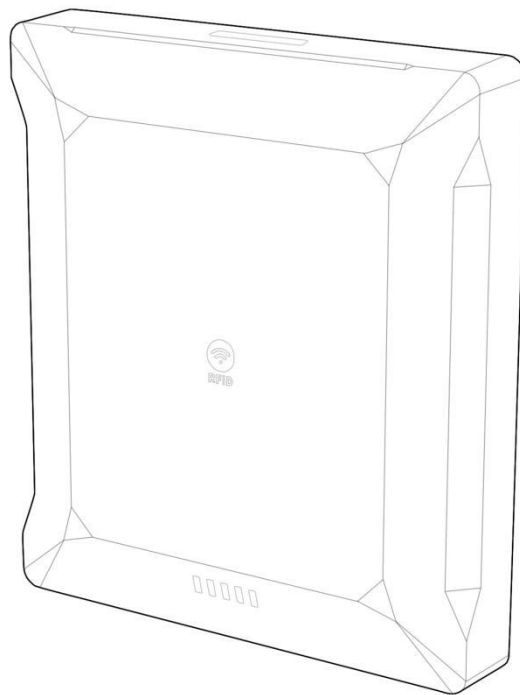


S-301

UHF RFID Integrated Reader



Fearless of wind and rain

Excellent performance

1. Advantages

- Diamond facet design brings elegant appearance.
- Support upgrading firmware online.
- High sensitivity: - 85dBm
- High-end aviation connections are assembled.
- POE: 25W max, IEEE 802.3 supported.
- 6mm high-quality CNC aluminum back panel provides strong rigidity and excellent heat dissipation.
- Protection grade: IP67

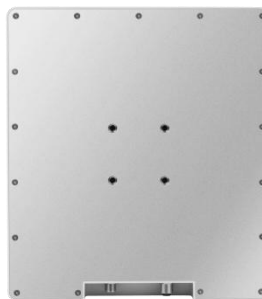
2. Product View



S-301 Perspective view-1



S-301 Perspective view-2



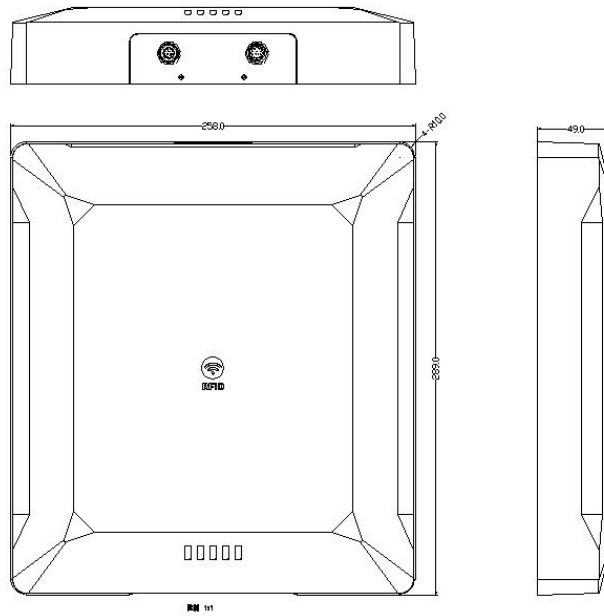
S-301 Rear view

3. Electrical Parameters

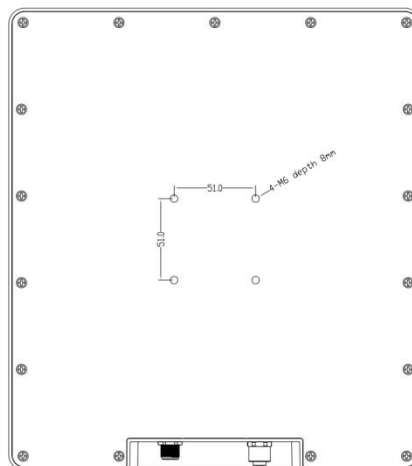
Electrical Parameters Table	
Dimensions	289(L)*258(W)*49(H)mm
Weight	1.9KG
Body Material	Front shell material: PC+ABS Back shell material: Aluminium alloy (6mm thickness)
Input Voltage	DC 12V ~ 18V
Standby Mode Current	<130mA
Sleep Mode Current	<100uA
Operating Temperature	- 20 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C
Work Humidity	5%RH~95%RH (non-condensing)
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Spectrum Range	902MHz – 928MHz, 865MHz – 868MHz Optional ✓
Supported Regions	US, Canada and other regions following U.S. FCC Europe and other regions following ETSI EN 302 208 China , Korea , Malaysia
RF Output Power	0 – 33dBm
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Sensitivity	< -85 dBm
Peak Inventory Speed	> 700 tags/s
Tag RSSI	Supported
Antenna	9dBi circularly polarized antenna
Ambient Temp Monitor	Supported
Work Mode	Single
Host Communication	RS-232 / TCP/IP
POE	25W max, IEEE 802.3 supported
GPIO	2 inputs and 2 outputs
Serial Baud Rate	115200 bps (default and recommended) /38400 bps
Heat Dissipation	Air cooling

4. Dimensions (Unit: MM)

Note: If there is inconsistency between the image and the actual product, please refer to real product as standard.



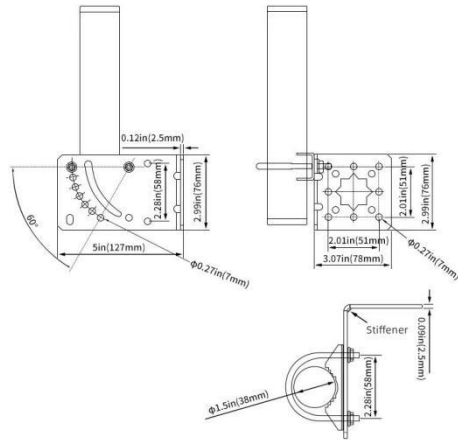
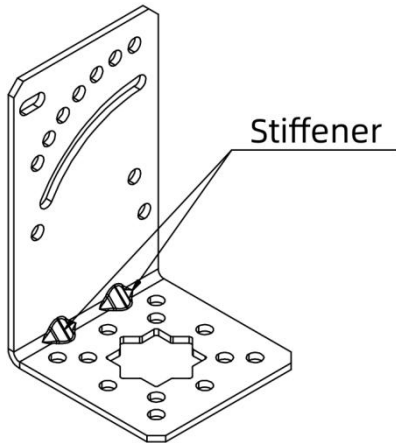
S-301 Dimensions



S-301 Mounting Hole Specification

5. Bracket Specification

Picture	Structure
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Parameters	
Material	Aluminum/Iron
Surface Treatment	DACROMET
Thickness	2.5-3mm
Color	Silver
Dimensions	127*76*78mm
Salt Spray Test	200 Hours
Application Environment	Outdoor
Installation Method	Holding Pole
Inner Diameter of Pole	$\phi 25-50mm$
Load-bearing	20kg
*PS: $\phi 25-50mm$ is suitable for holding pole.	