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ISBC UHF Reader MLR 1900



ISBC UHF **MLR 1900** is an IP67 UHF RFID reader with a built-in high gain circular polarization antenna. With optimized modules, ISBC UHF **MLR 1900** is superior in reading sensitivity, outstanding in inventory ability, long in reading range and well in stability. Those advantages allow ISBC UHF **MLR 1900** to be applied to vast complex applications, such as warehousing, logistics, production, manufacturing and those applications with special requirements on reading range, performance, waterproof, dustproof and shockproof.

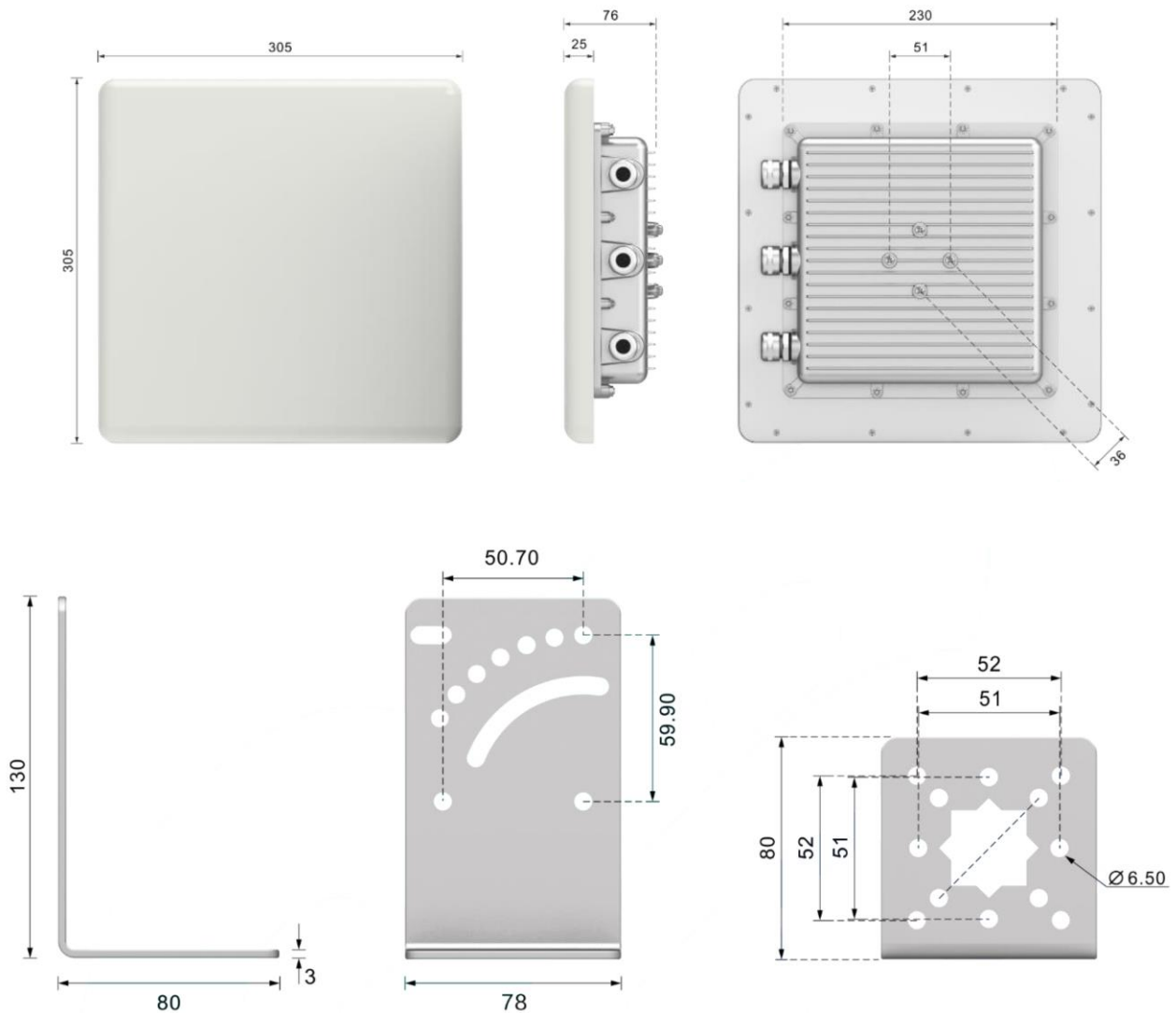
Key features:

- Equipped with super high gain circular polarization antenna;
- Small in size, simple in installation, convenient in application;
- Superior reading sensitivity, up to -88dBm;
- Long reading range: maximum tag read distance of 15m with 9dBi antenna;
- High Tag inventory speed, up to 400pcs/second;
- Worldwide Gen2 platform, accommodate worldwide application;
- High output power, up to 33dBm;
- Waterproof and dustproof design, achieving grade IP67.

Size	305 x 305 x 76 mm
Weight	2100g
Outfit	Aluminium alloy + PC
Color	White and silver

Technical parameters

Product size

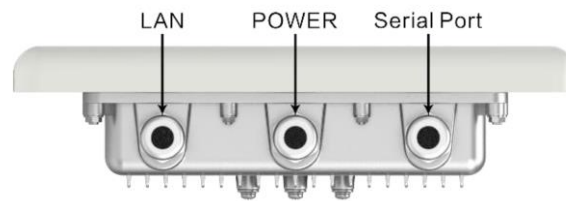


Product interface

The ISBC UHF **MLR 1900** reader comes with the following interface resources:

- 12 - 24V/3A dc power supply interface (12V/3A is recommended);
- TCP/IP network interface;
- RS232 serial interface (optional);
- RS485 communication interface (optional);
- Built-in 9dBi antenna.

The interface schematic diagram of ISBC UHF **MLR 1900** reader is as follows:



RFID features	
Working frequency	865 – 868 MHz
Output Power	5 – 33 dBm, adjustable, step interval 1 dB, precision ± 1 dB
Max Output Power	10W @33dBm
Inventory speed	400 tag/s
Reading Range	Up to 15m(reading range is vary with different tags)
Input Voltage	12-24VDC (recommend configured 12V power supply)
Communication peripheral interfaces	TCP/IP (RJ-45), RS232 and isolated RS485 (customizable), GPIO (customizable)
Tag RSSI	Support
Development Language	Support C# and JAVA
Air Interface Protocol	EPC global Gen2(ISO 18000-6C)
Working Ambient	
Storage temperature	от -30°C до +85°C
Working temperature	от -30°C до +60°C
Working humidity	5% - 95% RH (No condensation)