



RFRF-URDZ100L



The RF-URDZ100L is an industrial-grade UHF RFID read/write head that supports RS485 and Ethernet communication using the standard MODBUS communication protocol. The product is small in size, low power consumption, stable and reliable, coupled with easy installation, especially used in assembly line, warehousing logistics, AGV vehicle identification and other application scenarios.

Product Specifications

Specifications	Model	RF-URDZ100L-R4	RF-URDZ100L-TP
	Reading distance	0~150mm (Related to the data carrier)	
	Communication Interface	RS485	Ethernet
	Communication Protocol	MODBUS RTU	MODBUS TCP
	Baud-rate	9600 ~ 115200bit/s	
	Voltage	9~30VDC	
	Average current	< 0.2A (24V DC)	
	Indicator light	5 LED indicator	
Physical parameters	Dimensions	100*100*41.5mm	
	Fixed type	2 M5 threaded hole	
	Shell material	Aluminum alloy +ABS	



	Shell color	Black
	Total Weight	About 280g
RF parameter	wireless protocol	ISO 18000-6C (Class 1 Gen 2)
	Working frequency	China Frequency: 920-925 MHz (SRRC) North American Frequency: 902-928 MHz (FCC Part 15)
	Output power	5-27 DBM adjustable, step by 1dbm
Application Environment	Operating temperature	-25 °C ~ +70 °C
	Storage temperature	-40 ~ 85°C
	Humidity	5% ~ 95%RH (no condensation)
	IP degree of protection	IP65, EN60529
	Anti-vibration	2 mm (f= 5...29.5 Hz) , EN 60068-2-6 7 gn (f= 29.5...150 Hz), EN 60068-2-6
	RF Field Conducted Immunity Test CS	Contact discharge, 8KV Air discharge, 15KV Pass grade A
	Electrostatic Discharge Immunity ESD	Contact discharge, 8 KV, over Class A Air discharge, 15 KV, passed Class A

Certification and Declaration	FCC	FCC PART 15C
	RoHS Directive	2011/65/EU, 2015/863/EU

Dimensions

