



# JT-5010

## UHF RFID Integrated Reader with Radar

UHF RFID integrated reader JT-5010 is a professional-grade, high-performance UHF electronic tag integrated reader developed based on the TM series chip platform, with an innovative built-in millimeter-wave radar for entry and exit judgment. Relying on extremely high detection sensitivity and data processing algorithms, radar can handle scenes where the target is still or weakly moving, achieving extremely low false positives and false negatives, and can accurately depict the trajectory of personnel. At the same time, there is no privacy problem, the transmission power is extremely low, and there is no harm to the human body and the environment. It meets the application scenarios that need to judge the entry and exit, and is easy to install. With complete independent intellectual property rights, the default working frequency band of the reader is 902MHz ~ 928 MHz, supports ISO18000-6C (EPC C1 GEN2) protocol, has strong multi-tag recognition ability, long card reading distance, high protection performance and convenient installation and configuration, etc. Features, the reader integrates multiple communication methods such as RJ45, RS485, RS232, WiFi and 4G, and is suitable for warehouse logistics, material control, identity identification, access control and other fields. The reader is designed with ABS engineering plastic shell, which has strong waterproof, dustproof, anti-interference ability and lightning protection design on the circuit, making it meet the design requirements of outdoor all-weather industrial products.

# SPECIFICATION

## RFID Parameter

Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	ISO18000-6C/EPC C1G2
Chip	JT-2540 module based on TM serial chip
RF power	13~33dBm(adjustable)
Reading range	0-10 m(related to tag and environment)
Read rate	>700 times/sec
RSSI	Support
Industrial lightning protection	6000V high voltage lightning protection
Communication	RJ45,RS485,RS232(WiFi,4G optional)
Baud rate	115200 bps (default)
Interface	1 trigger input or 2 relay outputs (customized)
Power supply	12V DC / 3A
Peak current	1.5A

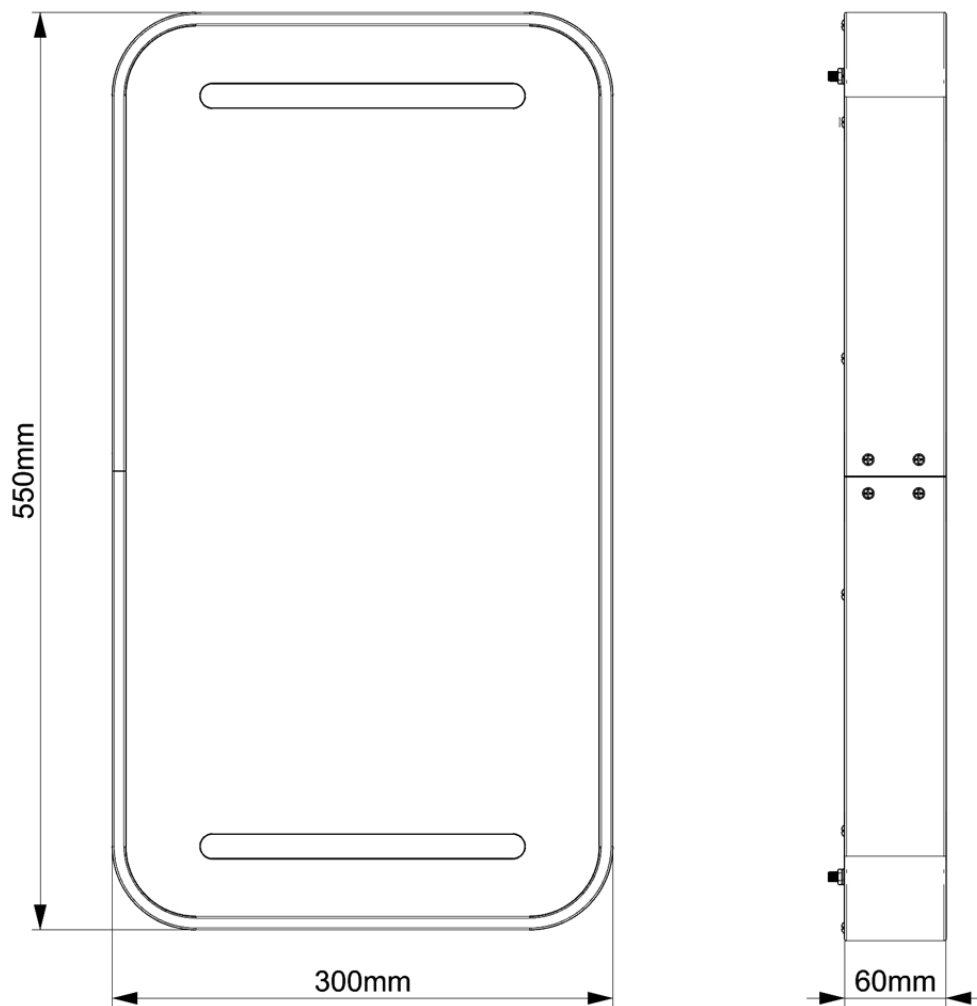
## Use Environment

Operating Temp.	-25° C~+65° C
Storage Temp.	-30° C~+80° C
Humidity	5-90% non-condensing (+25° C )

## Physical Parameters

Shell material	ABS & aluminum alloy
Dimensions	550(L)*300(W)*60(H)mm
Net weight	3kg

# DIMENSIONS



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