

2.4 G-Hz Omni-directional RFID Reader (MR3102E)

Key Features:

2.4G Omni-directional reader suit for “non-directional identify” 2.4G rfid reader applying in far distance, quick identification, meeting the special demand of identification, can identify, track and orientate more than 100 active tags simultaneity.

- 2dBi Antenna
- Ceiling mount design
- Double Polarization Design - It radiates in both horizontal and vertical directions in order to minimize signal blind area
- Dual High Performance RF Transceiver chips - Gives high reading speed and outstanding stability
- Applications - Best for indoor attendance and access control, goods logistics tracking and assets inventory management
- Working with all RealTrack RFID active tag like IT assets tracking tag, student attendance card more than 13 types.

Parameters:

Items	Parameter
Physical property	
Material	ABS
Dimension	92*Φ110mm
Weight	200g
Way to install	wall-mounted, ceiling fixed
Indicator	Buzzer
Color	White
2.4G RF feature	
Identify type	Omni directional, 360 degree covered
Signal modulation mode	GFSK
Traffic rate	1Mbit/s
Working frequency	2440MHz
Reading range	20cm to 80m radius
MAX receive sensitivity	-90dbm
Antenna Gain	2dbi, dual polarization

SDK language	C# & C++
Protocol	RealTrack RFID protocol
Communication interface	
RS232 (TCP to RS232 converter needed)	Baud rate : 115200bps ; data bits : 8 ; stop bit : 1 ; check bit : N
TCP/IP	10/100M self-adaption
Power supply features	
Working current	350mA
Working voltage	9V DC

Certifications
CE
FCC

Application photos:



Axel Guard