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Got a Bar Code Reader?
Scan the QR code for RTag
online site.



Long Range Active Sensor Pursuit of Excellence

[R-LRAS 245]

RTag presents you the Long Range Active Sensor: R-LRAS 245.

Long Range Active Sensor R-LRAS 245



The new generation of 2.4GHz Long Range Active Sensor achieve high performance, easy to deploy and longer reading distance. This system comes with RSSI enable.

Outstanding Features

Integrative Design



Reader and Antenna are integrated as a whole product while maintaining its small size

Long Range



Long distance identification up to 656feet with strong receiving sensitivity.
*Adjustable

Anti-collision



Engineered with notable anti-collision performance.

Electronic Radiation Safe



Truncated RF Power which is no more than 1dBm with transmitting power < 2mw. Suitable for human and environmental friendly.

ISO Compatible



Compatible with other tag protocols and improve the performance of system application.

Multiple Communication Interface



Provided with multiple communication interfaces like TCP/IP, RS232 and Wiegand that can be customized. Equip with self-development communication protocols and can be customized and expand according to user requirement

Technical Data

Operating frequency	2.4GHz~2.5GHz ISM
Identify direction	Directional
Antenna	15dBi build-in antenna
RF power range	-18.0dBm~0.0dBm(adjusted by 32 grade)
Receiving sensitivity	-90.0dBm
Operating mode	FHSS or fixed frequency(set by software)
Modulation	GFSK
Reading range	0~656feet adjustable
	RSSI reader can be adjusted less than 10m
Anti-collision	Up to 1000 tags read simultaneously
Buffer capacity	2000 tags data
Communication speed	25Kbps, 1Mbps, 2Mbps(adjustable)
Communication interface	RS-232, S-485, Ethernet, Wiegand26/34/42/50
Input and output	1 triggering input, 1 relay output
Optional function	2 relays, CAN, RSSI, ID match function, Offline function, Time function
Power supply	AC input: 100~240V, 50/60Hz 1.2A
	DC output: 5V/1A
Product size	225mm*225mm*100mm
Gross weight	2.78kg
Net weight	1.82kg
Working temperature	-20°C~+70°C (-4°F+158°F)
Storage temperature	-40°C~+85°C (-40°F+185°F)
Accessories	Power adapter, Power cable, RS-232 cable, Mounting, bracket
Working status indication	Buzzer