2.45GHz Active wireless Reader solution

Ordering part No : 2.45G-AT-R-TCP

Features

Active RFID technology allow to track the data from tags in long distance broadcasting in microwave frequency (2.45 GHz).

You are able to build up a network of readers for identification, tracking and tagging in all your premises.

Unlike passive RFID tags, active RFID tags have their own internal power source, which is used to power the integrated circuits and to broadcast the response signal to the reader. Communications from active tags to readers is typically much more reliable at larger cover reading range .

Typical Application

- Access control for personnel monitoring at schools, offices, hospitals, sports center …
- Asset tracking control / Vehicle access control

2.45G wireless active reader - Specification

Frequency range	2.4GHz-2.5Ghz ISM band,125 channel, channel bandwidth 1MHz
Communication mode	dynamical encrypt mode
Baud rate	9600Bps-115200Bps
Signal modulation	GFSK
Antenna polarizing	round polarization
sensitivity	-90dbm
Identified range	non-directional identification, < 80 meters (open area)
Recognized speed	80km/s
Anti- collision	>100 cards / second
Interface port	RS232 & TCP/IP port
Sound indication	buzzer inside
Power supply	DC+12V
Operation Temp.	-40'C to +85'C
Dimension	(140*105*35)mm

2.45G wireless Active Tag – Specification

Ordering part No	2.45G-AT-T1	2.45G-AT-T2	2.45G-AT-M1
Description	- with Power on/off switch - size :(87*55*5.5)mm - Frequency : 2.45Ghz - Weight : 20g - 3V x 2 lithium battery - battery life : > 4 years - Low battery indicator	- Without Power on / off switch - size :(87*55*5.5)mm - Frequency : 2.45Ghz - Weight : 20g - 3V x 2 lithium battery - battery life : > 2 years - Low battery indicator	- PCB module - size :(60*50)mm - battery not included
Photo			