T- 421E
Active Reader

Technology specifications

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	0~200m 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
Packing size	450mm*300mm*140mm
Gross weight	2.78kg
Net weight	1.82kg
Working temperature	-20℃~+70℃ (-4℉~+158℉)
Storage temperature	-40℃~+85℃ (-40℉~+185℉)
Accessories	Power adapter, Power cable, RS-232 cable, Mounting bracket
Working status indication	Buzzer

Key Features

l Small size, easy to install

l Long distance identification, strong receiving sensitivity

l Excellent anti-collision performance

l Little RF Power (No more than 1dBm, transmitting power ≤2mw), which is suitable for human carry and environment friendly

l Multiple communication interfaces, also can be customized

l Self-development communication protocol and can customize and expand as your requirement

l Compatible to other tag protocol and improve the performance of system application

Typical Applications

l Intelligent transportation management

l Asset identification, tracking and checking management

l Intelligent management in traffic police, patrolman etc

l Position moniter management for baby, prisoner, olders psychotic etc

l Electronic ticket, access control, time attendance, school management etc