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MIDDLE DISTANCE UHF READER

Model - NS-R509-UHF

Overview

The Middle Distance UHF Reader is a high-performance RFID device designed for secure and efficient mid-range identification applications. Built with self-intellectual property technology, it ensures stable performance, strong compatibility, and seamless integration with modern access control and parking management systems.

Features

- Self-intellectual property
- Support ISO18000-6B, ISO18000 6C (EPC C1G2) protocol tag
- 865~868MHz/902~928Mhz
- RF output power up to 26 dBm (adjustable)
- 8dbi antenna optional with effect distance up to 9m*
- Support auto-running, interactive and trigger-activating work mode
- Low power dissipation with single +12DC power supply
- Support RS232, RS485, Wiegand interface

Benefits

- Stable and reliable mid-range identification
- Flexible configuration for different project needs
- Easy integration with access controllers & boom barriers
- Cost-effective solution for smart entry automation
- Enables hands-free vehicle and personnel identification, reducing congestion and improving traffic flow.
- Minimizes manual verification, reduces human error, and strengthens overall access control efficiency.

Technical Specifications	
Model	NS-R509-UHF
Dimension	210(L) x 210(W) x 70(H) mm (Exclude bracket and external wires)
Weight	1.5kg (include package)
Shell material	ABS+PC
UHF RFID Performance Parameter	
Frequency	865-868MHz/902-928MHz
Protocol	EPC C1 GEN2 /ISO18000-6C
Built-in antenna	8dBi circular polarization
Power	26 dBm
R/W range	Read range upto 9m, write range >50cm
Electric Parameter	
Communication interface	RJ45, RS232, RS485, Wiegand, Trigger
Serial rate	9600~115200bps
GPIO	1 relay output (Optional), 1 trigger input
Reading Indicator	Buzzer
Power consumption	~1W
Working	220V AC input, +9V/3A adaptor DC output
Accessories	
Standard	Bracket, Power supply