



RFID-BASED ACCESS CONTROL SYSTEM

Model - NS-R5009-UHF

Overview

The NS-R5009-UHF is the most precision and functional UHF RFID reader that employs radio waves to effectively read and write data from RFID tags. Operating within the high-frequency band, it boasts an impressive read range of up to 5 meters.

Widely utilized in diverse applications, including vehicle tracking, access control, and more, UHF RFID readers offer exceptional functionality and versatility.

Features

- The reader has a read range of up to 5-6 meters depending of the quality of the tag.
- It offers excellent read range and consistency.
- It supports software-programmable data output interfaces to Wiegand, RS-232, and RS-485.
- It is compatible with all standard access control systems.
- It can encode 96-bit TID (without SDK).
- It has LED and buzzer indicators for read events.

Benefits

- The reader enables simultaneous scanning of multiple RFID tags.
- UHF technology allows for longer reading distances.
- UHF readers can quickly process data obtained from scanning..
- UHF technology offers reliable tag detection.
- UHF readers are cost-efficient solutions for tracking vehicles.
- UHF readers find applications in access control and parking management.

Technical Specifications

Parameters	Description
Model	NS-R5009-UHF / NS-R5012-UHF
Frequency	865~868 MHz or 902~928 (optional)
Antenna Type	Built-in 9dbi (NS-R5009-UHF) Built-in 12dbi (NS-R5012-UHF)
Communication Port	(i) Weigand -26bit and 34bit (ii) RS-232 (iii) RS-485 (iv) USB (v) TCP/IP (Optional)
Protocol	ISO18000-6C (EPC-GEN2)
Reading Range	Upto 6 meters (NS-R5009-UHF) Upto 10 meters (NS-R5012-UHF)
RF power	26 dB (adjustable)
Work Mode	Active/Answer/Trigger
Power	+ 9~12 V, 2 AMP DC
Operating Temp	-10°~ +55 °
Storage Temp	-20°~ +75°
Weather proof rating	IP66
Reading Clue	Buzzer, LED
Dimension	(NS-R5012-UHF) - 445x445x80 (NS-R5009-UHF) - 260x260x60
Certifications	CE, ISO, 9001, 27001
Package	Reader, Power adapter, mounting bracket



Disclaimer: Brief product specifications are mentioned, that may change without prior notice, please check with OEM before purchase. Images are shown for reference only; the actual product may differ due to product enhancement.