



RFID UHF MID-RANG INTEGRATED READER

MODEL: NTS – IR 01

- 
UHF (865-928 Mhz)
- 
Range: 6 Meters
- 
9dBi Antenna
- 
LAN, RS232, Rs485
- 
LED & Buzzer
- 
Compact Design
- 
Relay Inbuilt
- 
IP66 Outdoor Use
- 
SDK, Demo Software
- 
Password Mode

Description

NTS-IR 01 is a sleek and compact next generation RFID reader powered with 9 dbi linear polarized integrated antenna to facilitate fast and accurate tag identification process. It works on global UHF frequency (865-868MHz, 902-928 MHz) standards and has a read range of up to 6 meters. It is a cost-effective high-performance reader and is most widely used in applications like vehicle tracking in parking lots, access control for flap/ boom barriers, event management, projects related to R&D etc. where required read range is medium in nature. The product is IP 66 rated and has an inbuilt LED and buzzer for tag identification. It comes with mounting accessories, adapter and SDK for configuration and integration with third party software.



Specification

Physical Characteristics	
Dimensions	180mm x 180mm x 47mm
Weight	900 Grams Approx without adapter and mounting clamp
Power Supply	100-240V,DC + 12V (adapter)
Power Consumption	<1 Watt
Power Type	Adapter Power
Outer Body	ABS Plastic
Reading notification	Integrated LED (Red and Green) and Buzzer
UHF	
Protocol	ISO18000-6B, EPC Class 1 Gen2 (ISO 18000 - 6C)
Operating Frequency	865 MHz - 868 MHz (India and EU standard, 902 MHz - 928 MHz (US standard)
Frequency Hopping	FHSS
Antenna Gain	Integrated 9 dBi Linear/ Circular antenna
RF Power	0 - 30 dBm (can be adjusted by software)
Receiving Sensitivity	- 85 dBm
Operating Mode	Active mode, Answer mode, Triggered mode
Read Range	Up to 6 meters (Tag and Environment dependent)
Read Rate	100 Tags/ mili second
Communication	
Interface	RJ45 (TCP/IP), RS232 (Serial Port), RS485, Wiegand 26/34,
Relay	Inbuilt
Environmental Specification	
Operating Temperature	-10°C + 55°C
Storage Temperature	-20°C + 75°C
Humidity	5% RH to 95% RH non condensing
IP Protection Class	IP66
Usage Type	Outdoor use
Developing Platform	
Demo Software	Free demo software for configuration, read & write functions
SDK	C#, VC, VB, Java Linux, Delphi
Expansion	Supports up to 128 GB Micro SD card
Accessories	
Inclusion	Power Adapter, Mounting clamp

Application Areas



Parking



Vehicle Access Control



Attendance Tracking



R & D Projects



Production Line
Management



Warehouse