

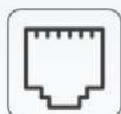


RFID UHF LONG RANGE INTEGRATED READER

Model: NTS – IR 02



UHF



LAN / RS232



UPTO 15 MT.



PROTECTION



180006B-6C



Description

NTS-IR 02 is one of the most powerful all weather ruggedized integrated RFID reader designed with the advanced digital signal processing algorithm to support high & accurate read - write operation. It works on global UHF frequency (865-868MHz, 902-928 Mhz) standards and has a read range of Up to 15 mt (adjustable) which makes it an ideal and most widely used UHF Long Range RFID reader for applications like gate automation, parking management, personal tracking and material asset identification. It comes with a 12dbi integrated antenna which provides excellent tag identification rate even in the most adverse and harsh environment.

This reader supports RS232, RS485, Wiegand, TCP/IP (RJ45) interface via which the data is transmitted to the connected system. The product is IP 65 rated and has a built in LED and buzzer. It comes with mounting accessories, adapter and SDK for configuration and integration with third party software.

Network Toll Solution Pvt. Ltd.

Corporate Office: Unit No. 1008, Tower 3, Aastha Green, Sector 4, Greater Noida West, 201306



Specification

Model Number	NTS-IR 02
Protocol	ISO18000-6B, EPC Class 1 Gen2 (ISO 18000 - 6C)
Frequency	Global 865 – 868 MHz and 902 - 928MHz
Protection Grade	IP 65
Frequency Hopping	FHSS Software Programmable or Fixed Frequency
RF Power Output	0-30dBm, software adjustable
Antenna	12 dbi built in antenna
Communication Port	RS 232 RS 485, Wiegand, TCP/IP (LAN)
Operating Mode	Auto-running, interactive and trigger-activating work mode;
Read Range	Up to 15 meter
Write Range	0-6 mt
Reading Clue	LED, Buzzer/ Beep
Reading Speed	Software Programmable, Average Reading per 64Bits <10ms
Input Power Supply	100- 240V, DC +9V (Power Adapter)
Power Consumption	1 watt
Mounting	Wall / Pole Mounting
Dimension	44 cm x 44 cm x 5 cm
Weight	2.4 kg
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +75°C
Humidity	10 - 95%
Compliance	SDK for configuration and development
Additional	Comes with Adapter, Mounting Clamp, Reader Cover, User Manual
Warranty	1 year. Can be extended.

ETS-IR 02 reader series comes in below mentioned different communication interface. Choose the model that suits your requirement:

Model Number	Interface
NTS-IR 02	RS232, RS485 and Wiegand
NTS-IR 02T	RS232, Rs485, TCP/IP (LAN)





Characteristics

Item	Symbol	Value	Unit
Power Supply	VCC	16	V
Operating Temp.	TOPR	-10~+55	
Storage Temp.	TSTR	-20~+75	

Electrical and Mechanical Specification

Under Ta=25,VCC=+9V unless specified

Item	Symbol	Min	Typ	Max	Unit
Power Supply	VCC	8	9	12	V
Current Dissipation	IC		350	650	mA
Frequency	FREQ	902		928	MHz

Wire Diagram

Item	Comments
Red	+9V
Black	GND
Yellow	Wiegand DATA0
Blue	Wiegand DATA1
Purple	RS485 R+
Orange	RS485 R-
Brown	GND
White	RS232 RXD
Green	RS232 TXD
Grey	Trigger Input (TTL Level)

Application

- Vehicle Tracking and gate automation with boom barrier.
- Asset and Inventory Tracking in Warehouse and manufacturing.
- Automated attendance Management in School / University and Corporate office.
- Livestock Movement Tracking.
- Marathon and Race time Tracking
- Logistics.

Accessories

- Power Adaptor
- Mounting Clamp
- SDK and Configuration Software

Notice: Product specifications are subject to change without prior notice. / Model: ETS-IR 02 / Update Date : 10/02/2022

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