

Antenna for UHF scalable long range reader

Nundnet



Nundnet NT 1005A is a mini antenna designed to communicate with NT 1000 series of readers using the TNC connector. The antenna supports frequency ranges of 865~868MHz, 902~928MHz. With the gain of 12dBi, the antenna is capable to sense the tags and equivalent RFID signal from 15meters with the vehicle speed of 120Kmph

An IP 65 rating insures that device can resist penetration of water to avoid risk of damages. And the lightning protection is provided.

SPECIFICATIONS

Antenna

Nundnet NT 1005A

Frequency	865~868 MHz, 902 ~928MHz
Gain	12dBi
Polarization	Linear
Half power beam width	Horizontal 90°, Vertical 32°
VSWR	≤ 1.13 (voltage standing wave ratio)
FBR (dB)	≥ 25 (front to back ratio)
Power output (max)	300 Watt
Impedance	50Ω
Protection	Against lightning DC Ground
Connector	TNC

Wind loading area	≤ 0.2 m2
Wind velocity (m/s)	60 meters per second
Tag reading speed	120Kmph
Random	Fiberglass
Mounting hardware	Φ 40 ~50
Color	White, others optional

Size	580 x 160 x 45 mm
Weight	Antenna 2.8Kg, Gross 3Kg
Temperature	-40°C ~+80°C

FCC COMPLIANCE

Nundnet NT 1005A equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. This device is designed to provide the reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

* Effective distance depends on antenna, tag and environment.

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Wireless Frequency

Available in various operating frequencies
865~ 868 MHz, 902 ~ 928 MHz (customized)

Weather Proof Housing

IP 65 rated, Protects from powerful water jets, thereby is waterproof & dust proof.

Hermetically Protected Housing

This protects the inner parts from any sort of vandalism to a very large extent.

TNC

The TNC Threaded Neill–Concelman connector is used to connect antenna with reader.

Sensing Range

The wireless detection or sensing range does not exceed 15 Meters



ORDERING METHOD

Nundnet NT 1005AX	12 dBi Antenna for UHF scalable long range reader
X :	A: 865~ 868 MHz,
	B: 902 ~ 928 Mhz
	C: customized

