

# Datasheet

Rev. 0.1

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## History

<b>Version</b>	<b>Date</b>	<b>Note</b>
0.1	2017-8-11	Initial release

### Notes:

Hardware Version: 0.2

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Fig.1 RA0716 Appearance

## Introduction

Netvox RA0716, mainly used to detect the temperature and humidity of the indoor air, the communication method meets LoRa protocol standard.

RA0716 with PM2.5 sensor, can be used to obtain the suspended particulates concentration per unit volume in the air.

## Main features

- Detect the temperature and humidity
- PM2.5 monitoring

## Electric

Input power	12VDC/1.5A
Working power	1mA @12V
Working current	12mA /3.3V(RX) 、 120mA /3.3V(TX)

## Frequency

Frequency	868MHZ
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	915MHZ 923MHZ
TX power	19dBm (max)
Rx sensitivity	-121dBm (Frequency deviation=5kHz, Bit Rate=1.2kb/s)
Antenna type	Build-in antenna
Communication rang	2km (line-of-sight)
Data transfer rate	1.2~50kbps
Spread technique	FSK/OOK

## Physical

Dimension	179mm*114mm*48.4mm
Humidity Detecting Range	<95%RH
Working Temp	-20°C — +50°C
Storage Temp	-40°C — +85°C