

N427AS SX1262 PA Module, +30dBm



N427AS Module introduction

N427AS radio module based TI SX1262 transceiver, PA, LNA and TCXO crystal.

N427AS SX1262 transceiver module designed for 169M, 433M, 868M and 915Mhz narrowband band.

N427AS has +30 dBm output power and the sensitivity down to -126 dBm, WMBUS and Arduinio support.

N427AS module has SMD and plug-

in installation mode. The module use narrowband FSK modulation. N427AS FSK module occupies very little band width.

N427AS hardware is designed for maximum range,10000 m + Range (Line of Sight).

N427AS Module Parameters

Module	Introduce
Interface	SPI
Frequency	169M, 433M, 868M and 915Mhz
RF Data Rate	0 - 500 kbps
TX Power	+33dBm
RX Sensitivity	-126 dBm
TX Current	900 mA
RX Current	15 mA
Frequency Deviation	+/- 1 Khz
Communication Distance	10 - 10000 m (Visual distance)
Antenna Interface	RF pin, SMA
Installation Mode	SMD, plug-in

Volume (mm)	36 mm x 24 mm x 3 mm
Operating Voltage	2 - 3.6 V
PA Operating Voltage	4.5 – 5.5 V, type 5V
Working Temperature and Humidity Environment	Temperature: -40 - 80°C; Humidity 10 - 95 %RH
Storage Temperature and Humidity Environment	Temperature: -40 - 80°C; Humidity 10 - 95 %RH
Weight (kg)	≈10g

N427AS pinout Description

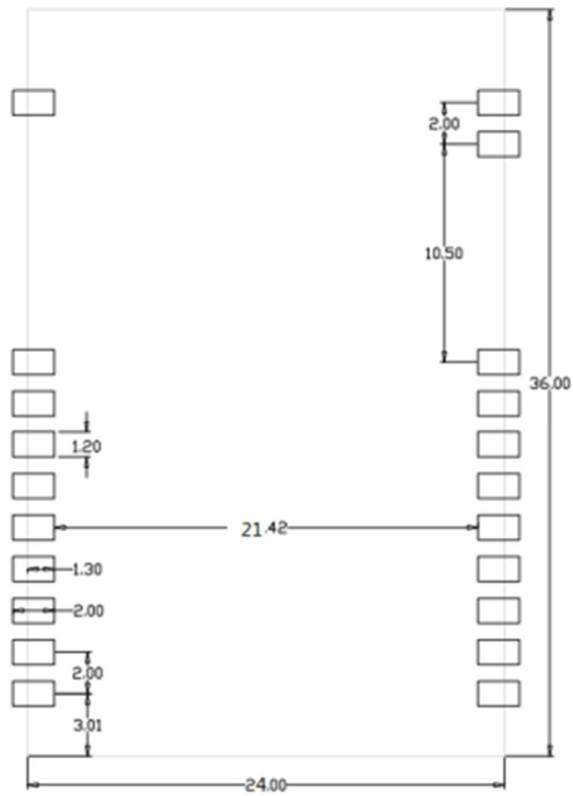
	Pin name	Description		Pin name	Description
1	GND	Ground	12	Busy	RESET
2	VCCPA	3.6V	13	DIO1	MCU I/O
3	VCCPA	3.6V	14	DIO2	MCU I/O
4	GND	Ground	15	MOSI	SPI
5	GND	Ground	16	SCK	SPI
6	RXEN	MCU I/O	17	MISO	SPI
7	TXEN	MCU I/O	18	VTCXO	MCU I/O
8	LNAEN	MCU I/O	19	NSS	MCU I/O
9	VCC	2-3.6V	20	GND	GND
10	GND	GND	21	RF	RF PIN
11	RESET	MCU I/O			

N427AS Logic Description

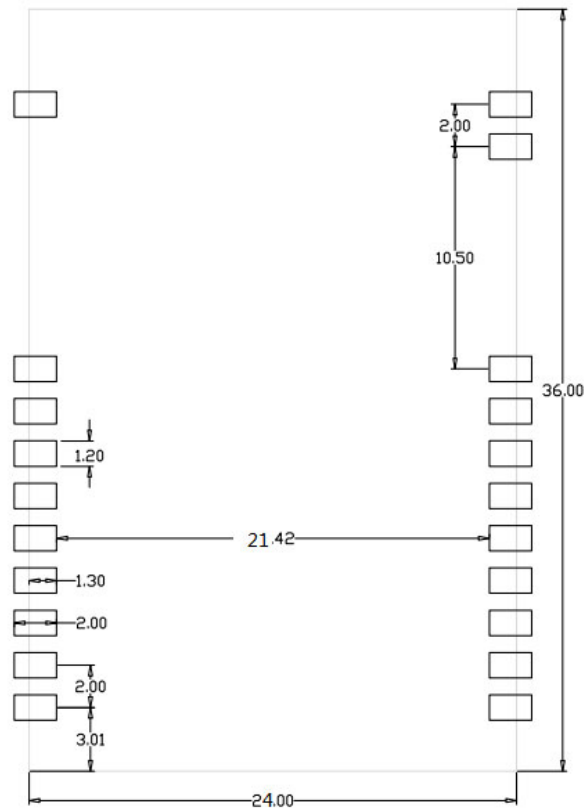
	TXEN	RXEN	LENAN	VTCXO
Transmitt	1	0	1	1
Receive	0	1	0	1

Sleep	0	0	1	0
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N427AS Module Package



N427AS Module Packaging Diagram



N427AS Typical Application Circuit

N427AS Ordering Information

N427AS-169M	SX1262+PA	+33 dBm, 160 - 180 MHz
N427AS-400M	SX1262+PA	+33 dBm, 400 - 410 MHz
N427AS-868M	SX1262+PA	+33 dBm, 860 - 880 MHz
N427AS-915M	SX1262+PA	+33 dBm, 910 - 960 MHz

More information please contact with us.