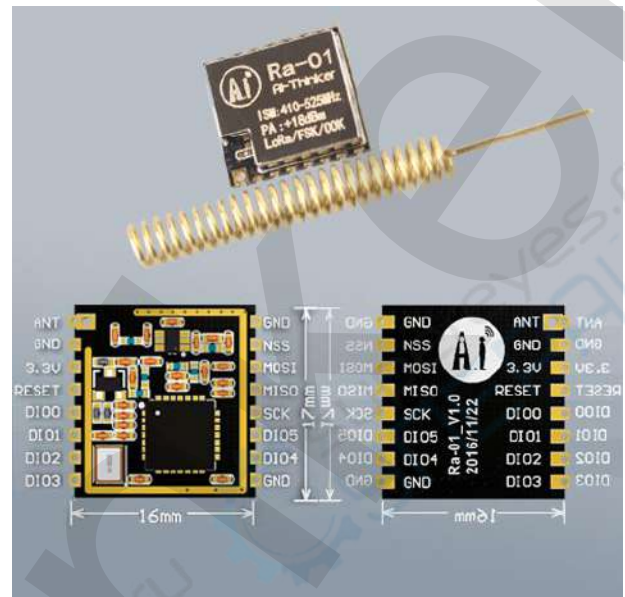
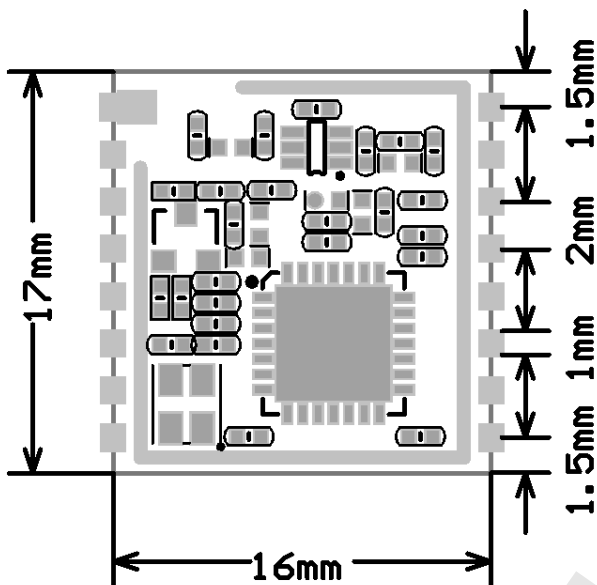


Ra-01 LoRa Module



Product Specifications

Module Model	Ra-01
Package	SMD-16
Size	17*16*(3.2 ± 0.1) mm
Interface	SPI
Programmable bit rate	UP to 300Kbps
Frequency Range	410-525 MHz
Antenna	Spring antenna with gain of 2.5 dBi
Max Transmit Power	18±1 dBm
Power (Typical Values)	433MHz: TX:93mA RX:12.15mA Standby:1.6mA 470MHZ: TX:97mA RX:12.15mA Standby:1.5mA
Power Supply	2.5~3.7V, Typical 3.3V
Operating Temperature	-30 °C ~ 85 °C
Storage Environment	-40 °C ~ 90 °C , < 90%RH
Weight	0.45g

Receive Sensitivity

Frequency	Spread factor	SNR	Sensitivity
433MHz	7	-7	-125
	10	-15	-134
	12	-20	-141
470MHz	7	-7	-126
	10	-15	-135
	12	-20	-141

Note: The above data are measured by the Semtech Shenzhen laboratory. The test conditions: power output 20dBm, bandwidth 125KHz.

Contact US

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