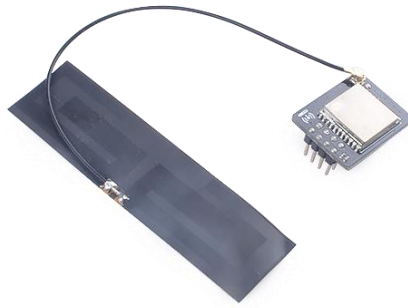


SP-LORA Datasheet

v1.0



Features:

- Using SP-MOD SPI to communicate with LoRa module
- LoRa module: The SP_LoRa module uses M-XL8 module with LoRaTM modem and LoRa module with adjustable power amplifier. It has high performance and reliability and is connected by SP_MOD.
- 370MHz-1200MHz, Maximum 20dBm (100mW) continuous transmit power
- Size :25*20mm
- Connection method: SP-MOD (2*4P 2.54mm pin header)

UPDATE

V1.0	2019/4/5 Published original document

INTRODUCTION

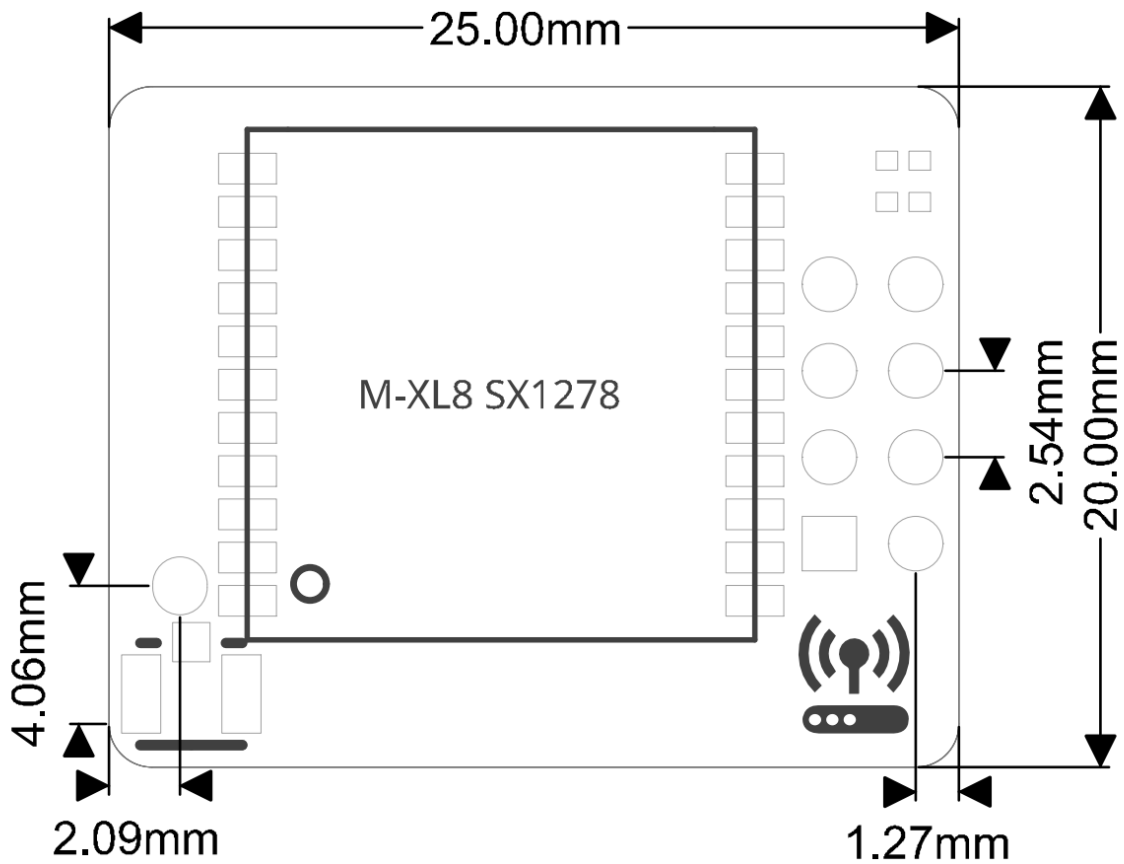
LORA module: M-XL8 SX1276	<p>Working frequency: 370MHz-1200Mhz Transmission power: 20dBm (Maximum) Communication interface:SPI Supply voltage of external power supply : 1.8V~6.3V Range of working temperature : -40°C - 80°C antenna external, IPEX Reception Sensitivity: -148dbm RSSI value: 127dB Maximum link budget : 168dB Send and receive status of current : 9.9mA Sleep status of current: 50nA Built-in LoRaTM modem, built-in CRC, inherited +12dBm adjustable PA+LNA Modulation method : FSK, GFSK, MSK, GMSK, LoRaTM 及 OOK</p>
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HARDWARE FEATURES

Supply voltage of external power supply	1.8V~6.3V
Supply current of external power supply	<10mA
Temperature rise	<30K
Range of working temperature	-40°C ~ 85°C

SIZE

Length	25mm
Width	10mm
Height	4.3 mm (Excluding the height of pin header :8.7mm)



PIN DESCRIPTION		
1	GND	Ground
2	CS	Chip Select input pin
3	SO	Master In Slave Out
4	RST	Reset (active low)
5	3V3	Power supply(3.3V)
6	SCK	SPI clock pin
7	SI	Master Out Slave In
8	IRQ	Connected to DIO0 of the module,, Programmable decision function

RESOURCES	
Official Website	www.sipeed.com
Github	https://github.com/sipeed
BBS	http://bbs.sipeed.com
Wiki	maixpy.sipeed.com
Sipeed Model Store	https://maixhub.com/
SDK Reference	dl.sipeed.com/MAIX/SDK
HDK Reference	dl.sipeed.com/MAIX/HDK
E-mail(Technical Support)	support@sipeed.com
Telgram Link	https://t.me/sipeed
QQ Group	878189804



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