

WH-L101-C datasheet

File Version: V1.0.0

1.WH-L101-C

WH-L101-C is LoRa module which supports concentrator communication protocol. Module supports three work modes: AT command mode, active reporting mode and passive waking mode. When module works in active reporting mode and passive waking mode, one data package length can't over 200 bytes, otherwise data package will be discarded.

Model	Frequency
USR-L101-L-C	398Mhz~525Mhz
USR-L101-H-C	803Mhz~930Mhz

Basic parameters as follow table:

	Parameter	Range
Wireless parameter	Working frequency range	L: 398~525MHz H: 803~930Mhz
	Transmitting power	Working voltage range from 1.8V to 2.4V, transmitting power can be set between 10dBm~17dBm. Working voltage range from 2.4V to 3.6V, transmitting power can be set between 10dBm~20dBm.
	Receiving sensitivity	-138.5dBm@0.268Kbps
	Communication distance	2000m
	Antenna	Bonding pad
Hardware parameter	Data interface	1200bps~115200bps
	Working voltage	1.8V~3.6V
	Working current	@3.3V: Transmitting current 130mA; Receiving current 16mA; Wake up receiving current 12μA.
	Working temperature	-30°C~+80°C

	Storage temperature	-45℃~+90℃
	Working humidity	10~90%RH
	Storage humidity	10~90%RH
	Dimension	18.2mm*26.6mm*2.6mm
	Encapsulation interface	SMT(surface-mount technology)
	Transmitting current	130mA@20dBm
	Receiving current	20mA
	Working temperature	-40℃~+85℃
	Storage temperature	-40℃~+125℃
	Working humidity	10~90%RH
	Dimension	16.0mm*16.0mm*2.0mm

2.Contact Us

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3.Update History

2017-12-22 V1.0.0 established.