

POWERAMR LoRa COMMUNICATION FEATURES

- Adopt LoRa point-to-point protocol.
- Support fixed-point transmitting mode.
- Data encryption transmission.
- Support RS232/RS485 interface.
- Maximum communication distance: 2300m. (Test in an empty area, under the 20 dBm transmitting power and 3.5dBi antenna gain)
- Receiving sensitivity: -138.5dBm.
- Support AT command mode and setup software based on AT command mode.
- Support hardware watchdog.
- 5~36V power supply.
- Support ESD protection.
- Support power supply anti surge.
- Support RS485 anti surge.



Specifications- PWR- LoRa

Parameter		Value
Wireless parameters	Frequency band	-L: 398~525MHz; -H: 803~930MHz
	Transmitting power	10dBm~20dBm
	Receiving sensitivity	-138.5dBm@0.268Kbps
	Transmission distance	3500 meters. Test condition: Open area, clear weather, 20dBm transmitting power, 5dBi antenna gain, height is greater than 2 meters, 0.268K air rate.
	Antenna	SMA
Hardware parameters	Data interface	Serial port: Support RS232/RS485. Baud rate: 1200bps~115200bps
	Working voltage	5~36V
	Working current	Transmitting current: 45mA@12V. Standby mode: 12mA@12V.
	Working temperature	-30°C~ +80°C
	Storage temperature	-45°C~ +90°C
	Working humidity	10~90%RH
	Storage humidity	10~90%RH

We pursue a policy of continuous research and product development, Specifications and features are subject to change without notice