



USR-LG206-P is a serial RS232/485 to LoRa converter, which supports point-to-point protocol and fixed-point transmitting mode.

- 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

### Hardware

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

### Wireless parameters

Frequency band	-L: 398~525MHz; -H: 803~930MHz
Transmitting power	10dBm~20dBm
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.
Antena	SMA AT command
Transmit way	TCP server, TCP client, UDP server, UDP client
Similar RFC2217	support
HTTPD client	support
TCP server	At most support 8 TCP client to connection
Net buffer	Send:16Kbyte; receive:4Kbyte
Serial buffer	receive:1Kbyte
Average delay	<10ms
Related software	USR-VCOM, USR-cloud, set-up software
Packaging mechanism	4 bytes packaging time, 1024 bytes length