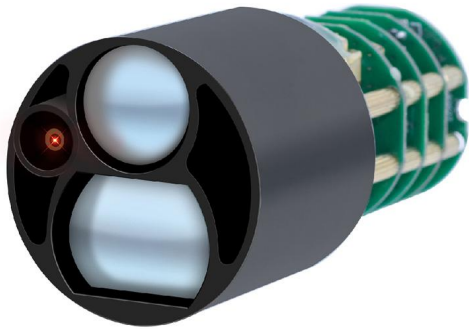


## 1km Laser Range Finder Module



The LRF module has a single measurement mode only one measurement, continuous measurement mode, according to the selected sampling frequency return continuous results.

The measurement range is up to 1200M

The sampling frequency is 1Hz

Measuring accuracy (0.5m)

TTL Serial communication UART (BaudRate=9600)

All instructions are in hexadecimal format

<br><br>

JIOPTICS® Mini laser ranging module provides reliable range feedback and TTL serial output. Suitable for custom product integration, especially for thermal imaging, night vision, EVA, digital scope and other product integration. Welcome to buy 1km Laser Range Finder Module from us.

### JIOPTICS® 1km Laser Range Finder Module Introduction

UX12JL outdoor Long-Range laser rangefinder module, 905nm band laser, measuring range up to 1200 meters, metal structure design good impact resistance and low power consumption, stable performance, up to military standards. This compact, secure, highly integrated LRF module can be used in multifunctional thermal imaging, ranging scopes and other systems.

### Product Parameter (Specification)

Model Name	UX12J
Measuring Distance	5~1200m(Typ.) Large target: 5~1200m, Small target: 5~700m
Resolution	0.1 mm
Frequency	1 Hz
Wavelength	905 nm
Divergence	5 mrad
Communication Interface	Standard: TTL (UART) Option: USB (TTL-USB converter)
Communication Signal	TTL output
Input Voltage	3 ~ 5 V
Operating Current	80mA ~ 150mA

Laser Safety	Class 1
Power Consumption	<1 mW
Operating Temperature	-20 ~ 50 °C
Dimension	58.61 x 30.2 x 32.6 mm
Weight	≤38 g

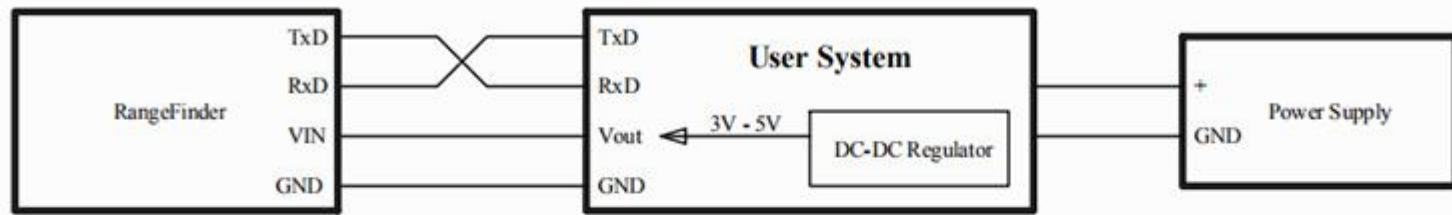


Figure 1 Connect With TTL

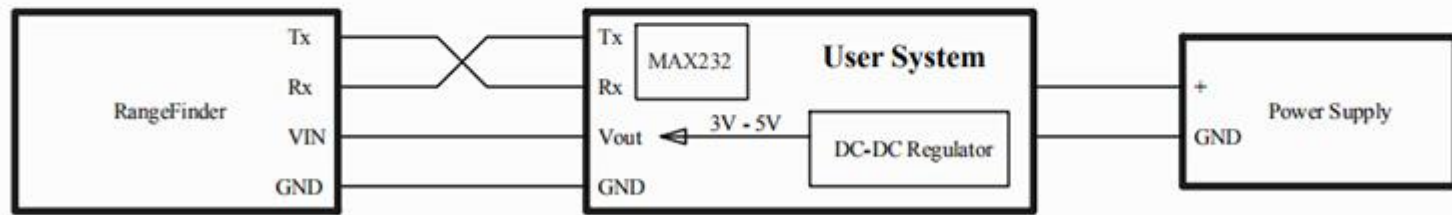
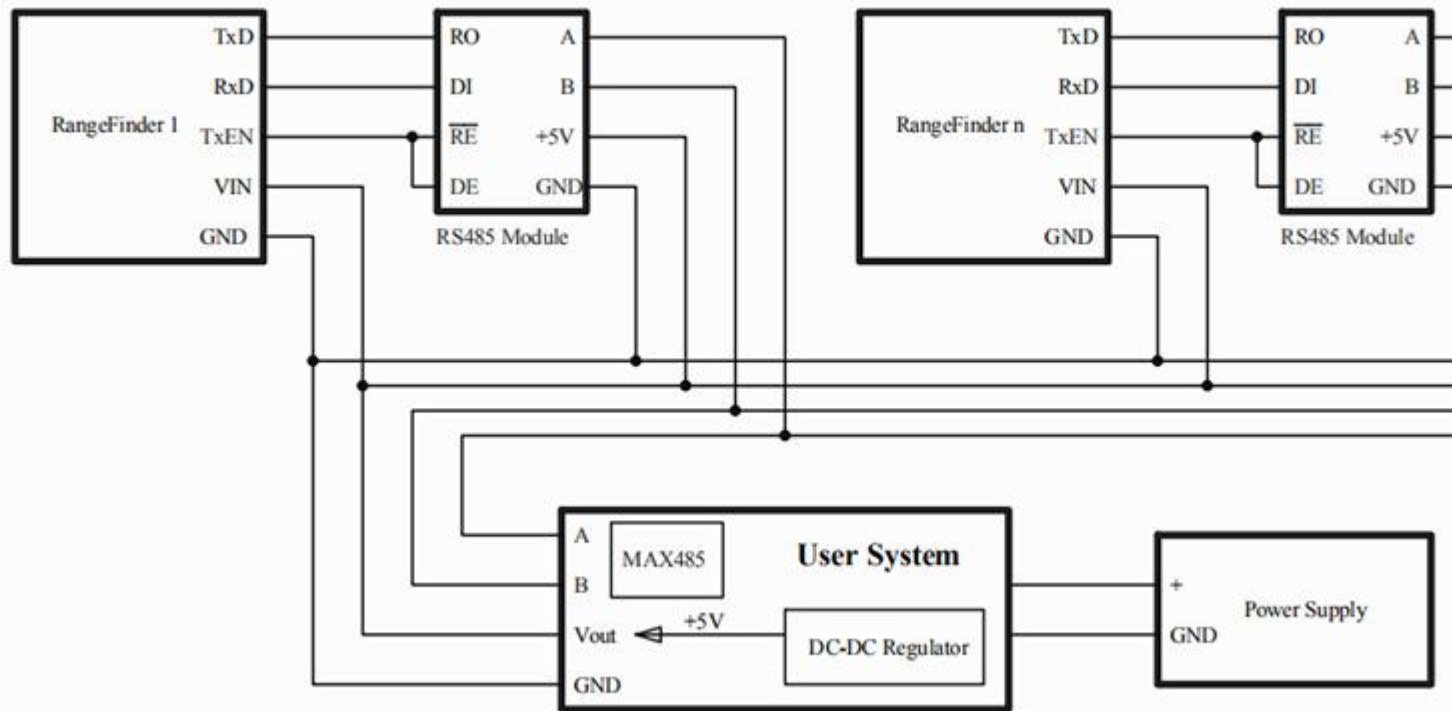


Figure 2 Connect With RS232



## Product Feature And Application

UX12L laser ranging module for target measurement performance  
 Typical targets (80% reflectance) measurement range  $\geq 2.5\text{km}$



[www.jioptics.com](http://www.jioptics.com)

Forest (10% reflectivity) measurement range  $\geq 1.2\text{km}$   
Small target measurement range  $\geq 0.6\text{km}$

Product Details

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