

RU232 (Preliminary)

Most easy way to integrate your solution into RPMA

RPMA features

- The broadest and deepest coverage - 12.8 km range and 240 km² coverage per AP
- High system capacity - Supporting up to 64,000 devices per AP
- Unlicensed spectrum - Using 2.4 GHz ISM band which is cost-free and available around the world
- Longest battery life - 5 years or longer with a single battery
- Reliable and Secure - Using SSL to protect transmitting data



Product description

RU232 is designed for quickly integration of RPMA network to UART communication protocol. The UART protocol is a general specification for any kind of sensor. The users just connect the RU232 to Tx, Rx, and ground pins of target board. Then users just read the data from the data center of local operator's Intellect service server by RESTFUL API.

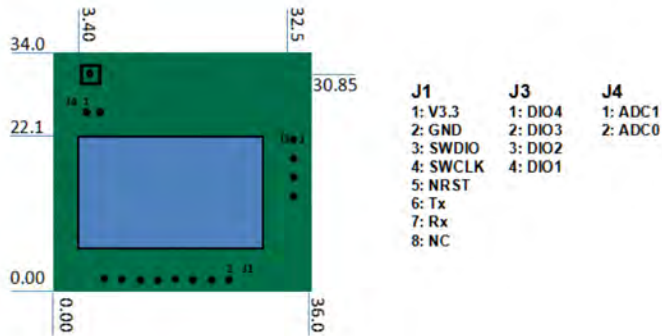
Successful Application & Solutions

- Oil, Gas, Mining
- Asset Tracking
- Automotive
- Smart Grid & City
- Shipping
- Security
- Agriculture
- Consumer

Dimensions	34 x 36 x 4 mm
Transmit Power	+22 dBm
Deep Sleep Current	60 μ A
Transmit Current	125 ~ 330 mA
Operating Temperature	-30 ~ 85 $^{\circ}$ C
Interfaces	UART 9600,n,8,1 RS-485 (*optional for RU485)
Wireless Frequency	2.4 GHz

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Product diagram



Specification

Physical characteristics	Dimensions	34 x 36 x 4	mm
	Weight	< 6	Grams
Features	FOTA	Updating FW over the Air	
	Signal Modulation	Direct Sequence Spread Spectrum - Differential Binary Phase Shift Keying (DSSS-DBPSK)	
	Multiple Access Scheme	Random Phase Multiple Access (RPMA)	
	Interfaces	UART 9600,n,8,1 RS-485 (optional for RU485)	
environment data	Operating Temperature	-30 ~ 85	°C
	Storage Temperature	-40 ~ 85	°C
	Humidity	5 ~ 95	%
Electrical characteristics	Transmit Power	+22	dBm
	Input voltage	3 ~ 3.6	V
	Transmit Current	125 ~ 330	mA
	Receive Current	65 ~ 100	mA
	Idle Current	< 1	mA
	Deep Sleep Current	60	µA
Digital characteristics	Wireless Frequency	2.4	GHz

Inquiries

HEADQUARTERS

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