

# USR-IO808-GR Datasheet

File Version: V1.0.0

## 1. Product overview

USR-IO808-GR is network IO product which supports 8-way input/output and Modbus RTU/TCP protocol. Take 'Remote control' as core function and have high usability. User can easily and quickly integrate USR-IO808-GR into own system to realize remote control which based on GPRS network.

## 2. Product features

- Support 8-way Relay output
- Support 8-way input, default is dry contact
- Support 8 conditional control command
- Support various function code: 0x01, 0x02, 0x03, 0x04, 0x05, 0x06, 0x0F, 0x10
- Support socket to connect to remote server and TCP Client
- Support two work modes: Master mode and Slave mode. Master mode supports connecting to multiple Modbus RTU devices by RS485 cascading connection.
- Adopt Modbus RTU protocol data processing. Support Modbus TCP/RTU protocol adaptation.
- Support connecting to USR Cloud.
- Support FTP remote upgrade.
- Support upgrading by RS485.
- Support hardware watchdog.
- Support various LED to indicate work status.
- Support power supply over-current, over-voltage, anti-reverse connection protection.

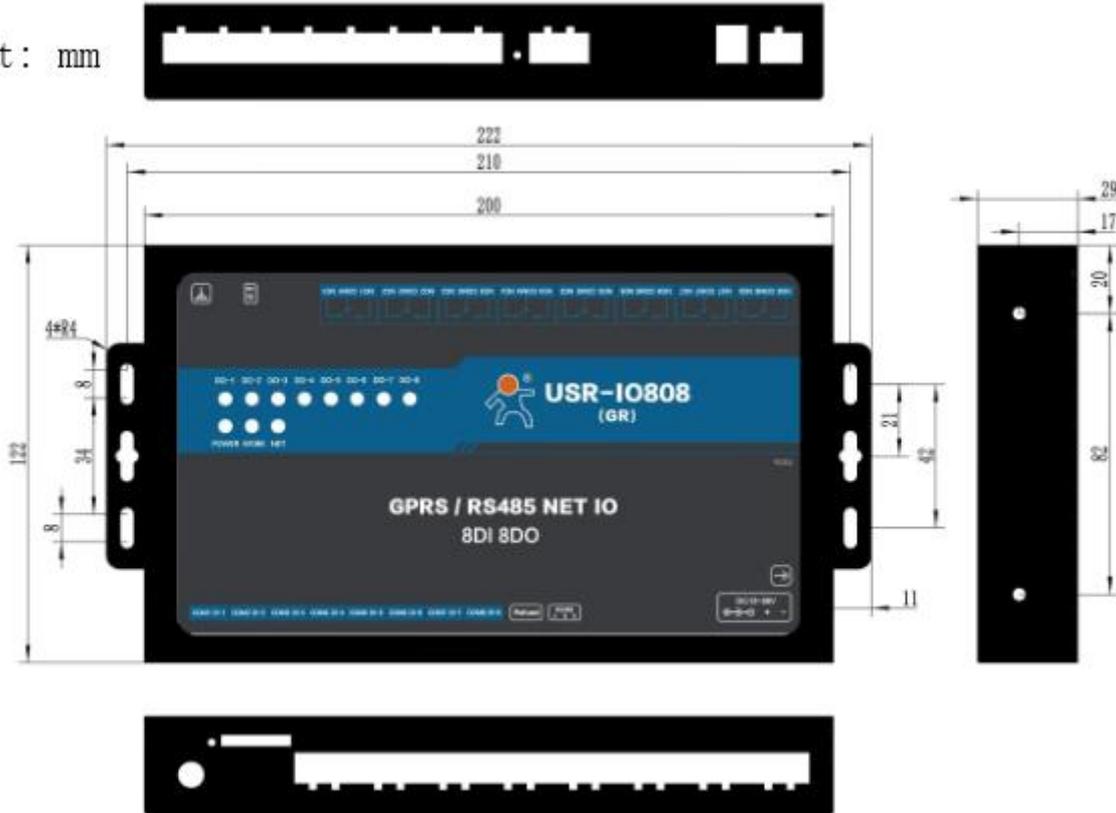
## 3. Product specifications

Parameter		Value
<b>Wireless parameters</b>	Wireless standard	GSM/GPRS
	Standard frequency band	850/900/1800/1900MHz
	Transmitting power	GSM900 class4(2W)
		DCS1800 class1(1W)
	GPRS Terminal Device Class	Class B
	GPRS Multi-slot Class	GPRS Class 10
GPRS Coding Schemes	CS1~CS4	
<b>Hardware parameters</b>	Data interface	Serial port: Support RS485. Baud rate: 300bps~230400bps
	Working voltage	12V~36V
	Working temperature	-20°C ~ +70°C
	Storage temperature	-40°C ~ +85°C
	Working humidity	5%~95%
	Storage humidity	1%~95%
	Dimension	200*122*29mm
<b>Software parameters</b>	Wireless network type	GSM/GPRS
	Work mode	Master mode, slave mode
	Configuration command	Modbus RTU
	Network protocol	Modbus TCP, Modbus RTU

	Application software	Support configuration software
<b>Software function</b>	DNS	Support
	Data transmission mode	Support TCP Client
<b>EMC level</b>	ESD	IEC61000-4-2, Level 4
	Surge	IEC61000-4-5, Level 3
	Group pulse	IEC61000-4-4, Level 3

## 4. Product dimensions

Unit: mm



## 5. Contact Us

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## 6. Disclaimer

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## 7. Update History

2018-04-25 V1.0.0 established.