

USR-IO424T-GR Datasheet

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1. Product overview

USR-IO424T-GR is network IO product which supports 4-way input/output, 2-way analog quantity detection, 1-way temperature detection and Modbus RTU/TCP protocol. Take 'Remote control' as core function and have high usability. User can easily and quickly integrate USR-IO424T-GR into own system to realize remote control which based on GPRS network.

2. Product features

- Support 4-way Relay output
- Support 4-way input, default is dry contact
- Support 2-way analog input, default are voltage detection
- Support 1-way PT100 temperature input
- 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.

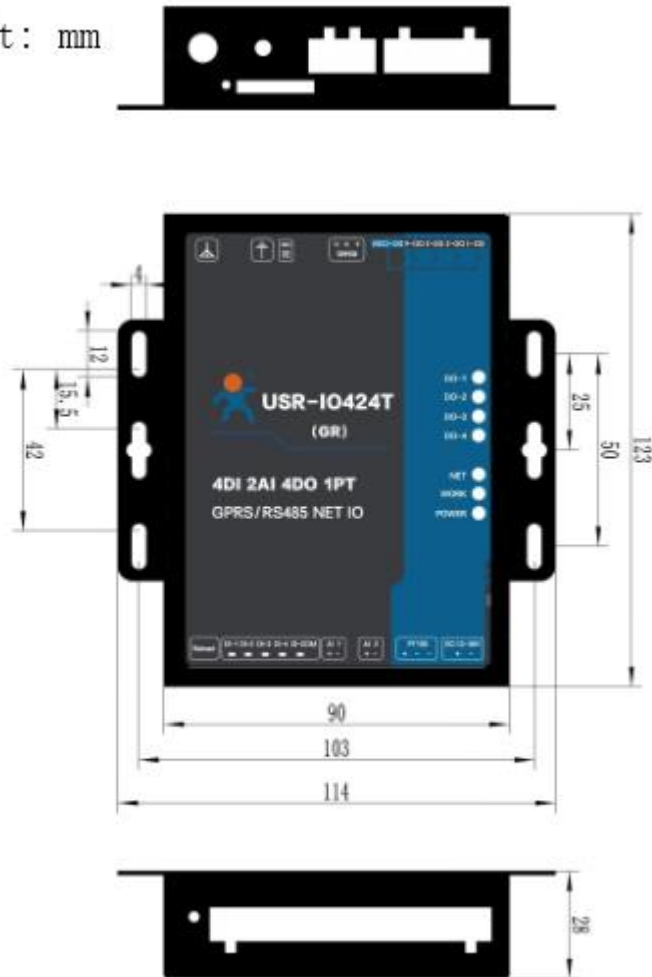
3. Product specifications

Parameter		Value
Wireless parameters	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	
Hardware parameters	Data interface	Serial port: Support RS485. Baud rate: 300bps~230400bps
	Working voltage	12V~36V
	Voltage acquisition	Range: 0V~10V
	Temperature detection	Range: -100℃~200℃
	Working temperature	-20℃~+70℃
	Storage temperature	-40℃~+85℃
	Working humidity	5%~95%
	Storage humidity	1%~95%

	Dimension	123*114*28mm
Software parameters	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
Software function	DNS	Support
	Data transmission mode	Support TCP Client
EMC level	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

2018-04-26 V1.0.0 established.