

USR-IO424T-EWR Datasheet

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1. Product overview

USR-IO424T-EWR 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-EWR into own system to realize remote control which based on Ethernet and local control which based on LAN(WiFi) and RS485.

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 Web Server to configure IO424T-EWR.
- 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 WAN/LAN interface.
- 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
Ethernet interface	Wired WAN/LAN interface	10/100M WAN/LAN *1
WiFi	Standard	Support 802.11b/g/n
	Antenna	2.4G WiFi antenna
	Range	100 meters in open area
Hardware parameters	Data interface	Serial port: Support RS485. Baud rate: 300bps~230400bps
	Working voltage	DC: 12V~36V
	DI input	Dry contact input, just needing to short-circuit DI and COM
	DO output	AC 220V 5A DC 28V 5A
	Voltage acquisition	Range: 0V ~ 10V
	Current acquisition	Range: 0mA ~ 20mA
	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	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

Company: Jinan USR IOT Technology Limited

Address: Floor 11, Building 1, No. 1166 Xinluo Street, Gaoxin District, Jinan, Shandong, 250101, China

Web: www.usriot.com

Support: h.usriot.com

Email: sales@usr.cn

Tel: 86-531-88826739/86-531-55507297

6. Disclaimer

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7. Update History

2018-05-24 V1.0.0 established.