

## TECHNICAL DATA

<b>ethernet / WiFi module</b>	USR-WIFI232-D2 <a href="http://www.usriot.com">http://www.usriot.com</a>
<b>WiFi standard</b>	IEEE 802.11b, g, n
<b>frequency range</b>	2.412 – 2.484 GHz
<b>type</b>	station / AP mode
<b>protection</b>	WEP/WPA-PSK/WPA2-PSK
<b>encryption</b>	WEP64/WEP128/TKIP/AES
<b>mode</b>	Transparent Transmission, Serial Command GPIO mode, HTTPD Client mode
<b>network protocol</b>	TCP/UDP/ARP/ICMP/DHCP/DNS/HTTP
<b>ethernet</b>	10/100Mb/s
<b>GPIO</b>	3
<b>serial mode</b>	USB / RS232 / RS422 / RS485
<b>serial data format</b>	5, 6, 7, 8 data bits, 1-2 stop bits odd, even, none, mark, space
<b>flow control</b>	XON/XOFF, CTS/RTS, none
<b>transfer rate</b>	RS232 300b/s – 115kb/s USB, RS485/422 300b/s – 460kb/s
<b>transm. control RS485</b>	RS485 mode (see sw setup)
<b>receiver control RS422</b>	permanent
<b>isolation</b>	RS422/RS485 1kV
<b>overvoltage protection</b>	RS422/RS485 600W 10/1000µs
<b>configuration</b>	LAN, WiFi, Web Server+AT command config
<b>optical indication</b>	RxD, TxD, LINK, PWR, NET1, NET2, READY
<b>connector USB</b>	mini USB
<b>connector RS232</b>	DB9M
<b>connector RS485/422</b>	4pin removeable screw
<b>connector antenna</b>	SMA
<b>connector supply</b>	plug 1.3mm
<b>supply</b>	USB 5V, external 9-32V DC
<b>consumption</b>	max 2W
<b>dimensions</b>	85 x 80 x 20 mm

rev 11/2015

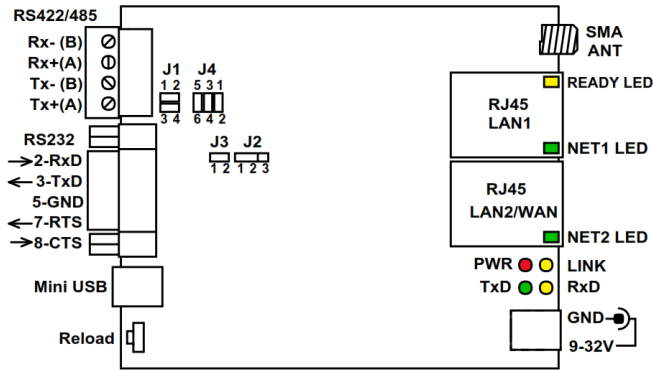


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## LAYOUT



## RS422/RS485 SETTING (\* standard setting)

<b>J1*</b>	1_2, 3_4	<b>RS 485</b> (A, B)
<b>J1</b>	OFF	<b>RS 422</b> (Tx+, Tx-, Rx+, Rx-)
<b>J2*</b>	1_2	must be ON
<b>J3*</b>	ON	receiver inverse to transmitter
<b>J3</b>	OFF	receiver permanent
<b>J4*</b>	1_2	terminator 120R
	3_4	pull up resistor
	5_6	pull down resistor

## RELOAD BUTTON

Hold 10s to set module to factory default

**IP:** 10.10.100.254  
**SSID:** USR-WIFI232-D2\_XXXX  
**name:** admin  
**password:** admin

## IMPORTANT

*At the same time can communicate only one of next channels USB, RS232, RS422/RS485*

## HOW TO SET JUMPERS ON PCB

- unscrew panel on the antenna side
- push RS232 connector and push out PCB
- set jumpers as required
- insert PCB into the box
- screw on antenna panel

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## CONDITIONS OF WARRANTY

**ComErgon provides full warranty of 24 month for serial interface module WiFiCom starting on the day of purchase.**  
The warranty is except for the cases in which the functioning of the module has been affected by faulty manipulation, natural catastrophes or other external factors.