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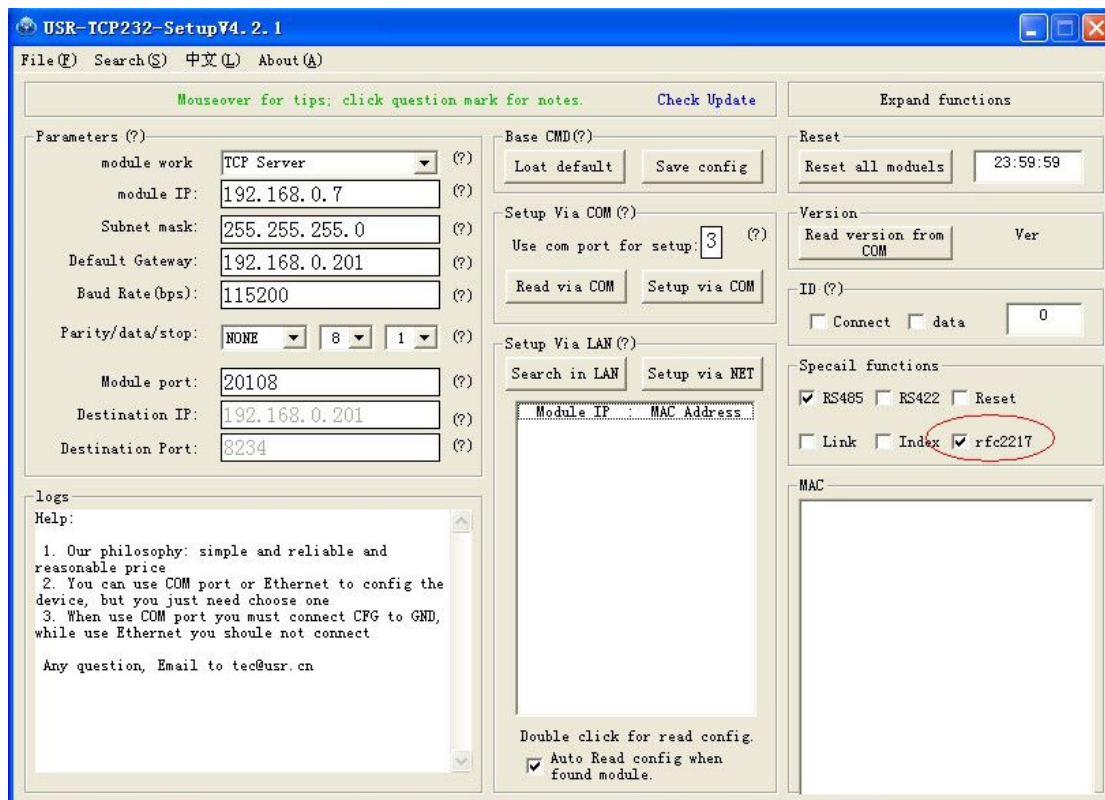


USR-TCP232-T24 series products RFC2217 function guide

File version: V1.0

2013-03-21

1. RFC2217 is an agreement for setup com port settings via Ethernet by socket, Our product support an agreement like that, but not standard RFC2217, it is more sample and easy than RFC2217.
2. USR-TCP232-T24 series modules with firmware V4.12 or later can support this function, the detail modules are: USR-TCP232-S/T/D/2/24/200/300/442.
3. When module receive setup command, if is a valid command(right packet head and right checksum), the module will change self setting and answer nothing, else the data bits would be sent out at com port.
4. TCP Client, TCP Server, UDP Client, UDP Server, UDP broadcast support this function.
5. All changes will work at once, but not save to module, when power off will lose the settings.
6. In order to use this function, you need to enable it first in the setup software, USR-TCP232-Setup V4.2.1 and later version support this function. Like follow picture.



The command length is 8 bits, detail as follow table. The demo bytes are in hex mode:

Name	Packet header	Band rate	UART bits setting	Check sum
bytes	3	3	1	1
说明	Three bytes	Band rate in hex mode, High byte first.	Parity/data/stop settings, see follow table.	Check sum of last 4 bytes
For example (115200,N,8,1)	55 AA 55	01 C2 00	83	46
For example (9600,N,8,1)	55 AA55	00 25 80	83	28

Appendix: UART bits setting detail

bit	Description	value	description
1:0	Data bits	00	5 bits
		01	6 bits
		10	7 bits
		11	8 bits
2	Stop bits	0	1 bits
		1	2 bits
3	Parity enable	0	Not enable Parity
		1	enable Parity
5:4	Parity type	00	ODD
		01	EVEN
		10	Mark
		11	Clear
8:6	Not used	000	Please fill 0

Test bits

55AA5501C2008346 For 115200 N,8,1

55AA550025808328 For 9600 N,8,1