TCP-IP-M1-TTL

TTL/RS232 to TCP/IP converter

This is a RS232 to TCP/IP converter, this allow you remote control your Serial port machine via network interface from remote location, Great for machine shop that run multiple machine with way many serial connections.

Feature

- TTL/RS-232 serial communication interface
- Support TCP,UDP,APR,ICMP and DHCP protocol
- Support TCP/IP Server , Client Mode
- Setting via Internet or by application program
- Support all Windows Native COM
- Driver support WindowsXP ,Window95/98/ME,Windows NT
- Free software pack (Virtual com driver , Lan and serial port testing program)
- Testing board with schematic
- Low cost , slim size , reliable performance

Technical parameter

- support protocol : ARP, IP , ICMP, UDP, TCP, DHCP, HTTP, SOCK5
- Lan connector : 10M Ethernet
- Serial Interface : TTL level , N , 8 ,1
- Baud rate : 1200bps to 15200bps
- Flow control : CTS/RTS , XON/XOFF
- Power : +5V/50mA
- TCP/IP module Size : (43 x 26)mm
- Testing board size : (80x115)mm
- Operation temp.: 0'C to 70'C

PCB Dimension

25.4 （mm）

3.81 （mm）

40.64 （mm）

43.18 （mm）

2.54 （mm）

J2

J1
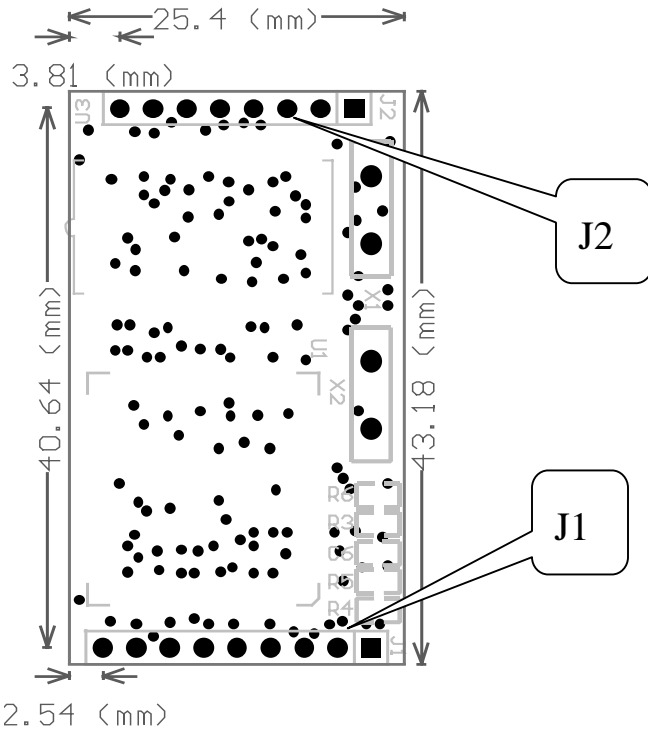
PIN OUT

J1		
1	TXD	TTL Serial TX
2	RXD	TTL Serial RX
3	CTS	Clear to send (for flow control)
4	RTS	Ready to send (for flow control)
5	RESET	Low – Reset High or Float – Normal operation
6	SETUP	Low – default IP setting (1.0.1.10) High or float – user IP setting
7	PROJECT	Low – user IP address No protection and can be changed High or float – user IP setting protected and can't be changed
8	5V	Vcc
9	GND	GND
J2		
1	TX-LED	High (ON) – during data TX Low (OFF) – No data TX
2	RX-LED	High (ON) – during data RX Low (OFF) – No data RX
3	TPIN+	Connect to Lan transformer
4	TPIN-	Connect to Lan transformer
5	LD	Connect to Lan transformer
6	HD	Connect to Lan transformer
7	NC	NC - Reverse
8	UTIL	NC - Reverse

TCP/IP To RS232 Testing Board

C2000 S-net+ Testing Board

RJ45   : connect to TCP/IP Network

Power : power supply input 9~12V

DB9   : RS232 com port

K1 : power switch

K2 : reverse – No Function

K4 : C2000 S-net+ reset pin

K5 : IP setting setup

Normal – switch LED OFF – use User IP setting for operation

Press down - switch LED ON , use default IP setting for operation .

Default IP address 10.1.1.10

K6 : IP setting protection

Normal – user IP setting No protection and allow user to change it

Press down – LED On - user IP setting protected and can't be changed

DB9 PIN OUT

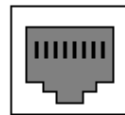|	
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RTS(ready to send)
8	CTS(clear to send)
9	NC

RJ45 PIN OUT

RJ-45 Male
Plug

87654321

12345678
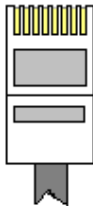
12345678

RJ-45
Female

RJ45 connection

Use crossover Ethernet Cable if connect this module with PC.

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┌─────────────────┐                          ┌─────────────────┐
│                 │                          │   TCP/IP        │
│   PC Lan port   │──────────────────────────│                 │
│                 │                          │   module        │
└─────────────────┘                          └─────────────────┘
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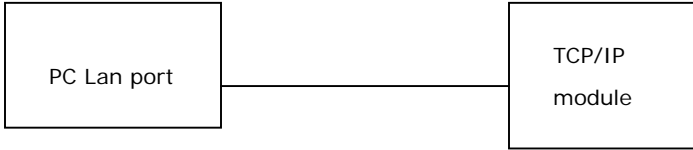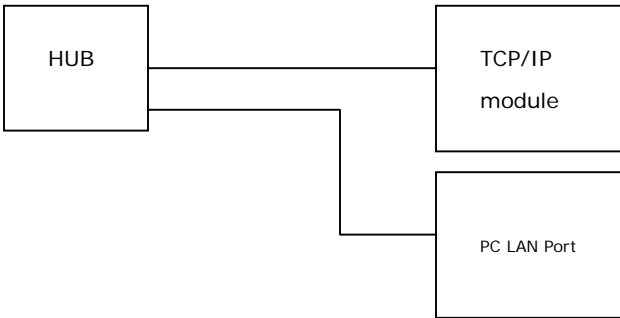
**Color Standard
EIA/TIA T568A**   **Ethernet Crossover Cable**

	RJ45 Pin#			Pin# RJ45	
	Green/White Tracer	1		1	Orange/White Tracer
	Green	2		2	Orange
	Orange/White Tracer	3		3	Green/White Tracer
	Blue	4		4	Brown/White Tracer
	Blue/White Tracer	5		5	Brown
	Orange	6		6	Green
	Brown/White Tracer	7		7	Blue
	Brown	8		8	Blue/White Tracer
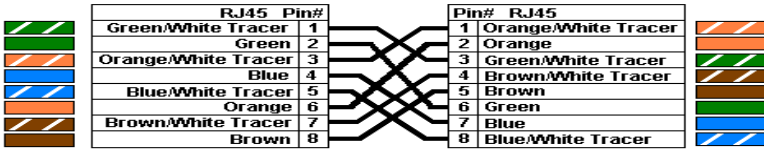
"A" is earlier

Use Patch Ethernet Cable if connect this module with HUB

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┌─────────────────┐                          ┌─────────────────┐
│                 │                          │   TCP/IP        │
│      HUB        │──────────────────────────│                 │
│                 │              │           │   module        │
└─────────────────┘              │           └─────────────────┘
                                 │
                                 │           ┌─────────────────┐
                                 │           │                 │
                                 └───────────│   PC LAN Port   │
                                             │                 │
                                             └─────────────────┘
```

**Color Standard
EIA/TIA T568A**   **Ethernet Patch Cable**

		RJ45 Pin#			Pin# RJ45		
TX+		Green/White Tracer	1		1	Green/White Tracer	PR 3
TX-		Green	2		2	Green	
RX+		Orange/White Tracer	3		3	Orange/White Tracer	PR 2
		Blue	4		4	Blue	PR 1
		Blue/White Tracer	5		5	Blue/White Tracer	
RX-		Orange	6		6	Orange	PR 2
		Brown/White Tracer	7		7	Brown/White Tracer	PR 4
		Brown	8		8	Brown	