

GPS Setting Example

GPS send to TCP

GPS Topology - Send to TCP



1. Open TCP/UDP tool on windows OS, right click "Server Mode", select "Create Server". Users can download TCP/UDP tool from E-Lins website.

✗ TCP&UDP测试工具 - [192.168.1.1:56308]	
: Operate(O) View(V) Windows(W) Help(H)	Language ×
🗄 🚰 CreateConnn 🔕 CreateServer 😹 StartServer	🚨 🐼 🗟 Connect 😹 🛬 DisconnAll 💥 DeleteConn 🎇 🧕 🕏 🥊
Properties 4 ×	↓ ¥ 192.168.1.1:56308
Client Mode CreateConnection(C) CreateServer(S) CreateServer(C) Connect(N)	DestIP: 192.168.1.1 DestPort: 56308 ✓ LocalPort 5000 Type TCP ✓ AtuoConn Eve [23] Send Eve [75] MatoSend Eve [75] MatoSend Eve [76] 860400153A00005Faaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
Sen	d Speed(B/S): 0 Receive Speed(B/S): 0

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2. Check "Local IP", input IP address and port number, then click button "Create".



3. Right click "Local(192.168.1.171):6000", select "Start Server". Then TCP server is started.

✗ TCP&UDP测试工具 - [192.168.1.1:56308]	
: Operate(<u>O</u>) View(<u>V</u>) Windows(<u>W</u>) Help(<u>H</u>)	Language ×
🗄 🔄 CreateConnn 🔇 CreateServer 🐰 StartServer	🚨 📀 😪 Connect 😹 📽 DisconnAll 💥 DeleteConn 🎇 🔟 🥫 💂
Properties 4 ×	↓ ▶ ×
Client Mode Server Mode Cocal (192.168.1.171):5000 192.168.1.1:56308 CreateConnet tion(C) CreateServer(S) StartServer(D) Connect(N) Disconnect(D) D	DestIP: Send AtuoSend Eve 100 ms Send Stop 192.168.1.1 Send Hax Send File Send Received Clear Option DestPort: 56308 bbbbbbbbbbb bbbbbbbbbb bbbbbbbbbb DestPort Source Type TCP Image: Send Hax Send File Send Received Clear Option We AtuoConn Eve 75 ms Rec StopShow Clear ShowHex Count Send 24 Save (In Time) Sed0400153A00005F assassassassassassassassassassassassass
Ser	nd Speed(B/S): 0 Receive Speed(B/S): 0

4. Open E-Lins Router Web management page, click "Services" \rightarrow "GPS" at left navigation bar.

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Status	GPS Configuratio	n	
System	Notes: DTU feature and "GPS Send to Serial" cannot be used at the same time		
Services	Enable		
ICMP Check	Prefix SN No.		
VRRP Failover	Only GPRMC		
SNMP	Send interval	10	
DTU	GPS send to	TCP v	
SMS	Server IP	192 168 1 100	
VPN			
DDNS	Server port	6000	
Connect Radio Module			
Network			
Logout		Save & Apply Save Reset	

5. Check "Enable", set "GPS send to" as TCP, then input Server IP and Server port. When everything is done, click button "Save & Apply".

GPS Configuration Notes: DTU feature and "GPS Send to Serial" cannot be used at the same time			
Enable	8		
Prefix SN No.			
Only GPRMC			
Send interval	10		
GPS send to	ТСР •		
Server IP	192.168.1.171		
Server port	6000		
	Save & Apply Save Reset		

6. Check TCP/UDP tool, we can see GPS information is received.

GPS Setting Example

※ TCP&UDP测试工具 - [192.168.1.1:59775]			
[;] Operate(<u>O</u>) View(<u>V</u>) Windows(<u>W</u>) Help(<u>H</u>)	Language		×
🗄 🔄 CreateConnn 🔕 CreateServer 😹 StartServer	😤 😡 😤 Connect 蜜	🗟 DisconnAll 💥 DeleteConn 💸 🔟 🧣	₹
Properties # ×	192.168.1.1:56308	2 192.168.1.1:59775	4 Þ ×
Client Mode Server Mode ↓ Local(192.168.1.171):5000 ↓ 192.168.1.1:56308 ↓ Local(192.168.1.171):6000 ↓ 192.168.1.1:59775	DestIP: 192.168.1.1 DestPort: \$9775 Ø LocalPort \$6000 Type TCP Ø AtuoConn Eve 23 Ø AutoSend Eve 75 ms	Send AtuoSend Eve 100 ms Send Hex Send File Send Received	Send Stop
	Count Send 0 Recv 402 Clear	Rec Stopshow Liear Save Upt Save (In Time) Save (In Time) SGPGSV, 1, 1,, *79 SGPGSV, 1, 1,, *79 SGPGSV, 1, 1,, *1B SGPGSV, 1, 1,, *1E SGPGSV, 1, 1,, *1E SGPGSV, 1, 1,, *19 SGPGSV, 1, 1,, *19 SGPGSV, 1, 1,, *19 SGPGSV, 1, 1,, *19 SGPGSV, 1, 1,, *19 SGPGSV, 1, 1,, *19 SGPGSV, 1, 1,, *18 SGPGSV, 1,, *18 SGPGSV, 1,, *18 SGPGSV, 1, 1,, *11 SGPGSV, 1,, *11 SGPGSV, 1,, *11 SGPGSV, 1,, *11 SGPGSV, 1, 1,, *11 SGPGSV, 1,, *11 SGPGSV, 1,, *11 SGPGSV, 1,, *11 SGPGSV, 1, 1,, *11 SGPGSV, 1,, *12 SGPGSV, 1,, *13 SGPGSV, 1,, *14 SGPGSV, 1, 1,, *11 SGPGSV, 1,, *12 SGPGSV, 1,, *13 SGPGSV, 1,, *14 SGPGSV, 1, 1,, *13 SGPGSV, 1,, *14 SGPGSV, 1,, *14 SGPGSV, 1,, *14	

GPS send to Serial

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1. Open web management page, in GPS configuration page, set GPS send to "Serial".

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1 Open web management page in GPS configuration page

GPS Configuration

Notes: DTU feature and "GPS Send to Serial" cannot be used at the same time

Enable	×	
Prefix SN No.		
Only GPRMC		
Send interval	10	
GPS send to	Serial	V
Serial baudrate	115200 bps	¥
Serial parity	None	Ŧ
Serial databits	8 bits	¥
Serial stopbits	1 bits	Ŧ
Serial flow control	None	¥
		Save & Apply Save Reset

2. If DTU feature is enabled. When click button "Save & Apply", an error will occurs. DTU should be disabled firstly.



GPS Configuration

Notes: DTU feature and "GPS Send to Serial" cannot be used at the same time

Enable	×	
Prefix SN No.		
Only GPRMC		
Send interval	10	
GPS send to	Serial	Ÿ
Serial baudrate	115200 bps	Ŧ
Serial parity	None	Ŧ
Serial databits	8 bits	¥
Serial stopbits	1 bits	v
Serial flow control	None	Y
GPS send to: conflict with	DTU, please disable DTU firs	stly
		Save & Apply Save Reset

3. Open DTU configuration page, uncheck "Enable", then click button "Save & Apply".

Status	DTU Configuration	n	
System	Notes: DTU feature and "GPS Se	end to Serial" cannot be used at the	same time
Services	Enable		
ICMP Check	Send DTU ID		
VRRP			_
Failover	DTU ID	860400153A00005F	
SNMP	Forward delay	200	milliseconds (range[1,10000])
DTU			
GPS			
SMS	Serial Setting		
VPN	Serial baudrate	115200 bps	r
DDNS			
Connect Radio Module	Serial parity	None	7
Network	Serial databits	8 bits	r
Logout			
	Serial stopbits	1 bits	r

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- 4. Then configure GPS send to serial again.
- 5. Open SSCOM tool ,select com port, configure serial parameters.

SSCOM3.2 (Author: NieXiaoMeng . http://www.mcu51.com, Email: mcu52	2 23
\$GPGSV, 1, 1, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	E
OpenFile FileNm SendFile SaveData Clear	🗌 HexData
ComNum COM9 💌 🛞 CloseCom Help WWW. MCU51.COM	EXT
BaudRa 115200 • DTR RTS Serial port debug tool: SSCOM ! DataBi 8 • Send eve 350 ms/Time StopBi 1 • SendHEX ✓ SendNew Get new version: Verifyl None • Data input: SEND Your suggestion	scom.rar
FlowCon None 👤 aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	
www.mcu51.con S:0 R:533 COM9 opened 115200bps 8 CTS=0 DSR	=0 RLSC //