



Mobile TD/TTC/LTE

PC Tools for TD/TTC/LTE

Communication of Socket Part UserGuide

V1.0

Document Conventions

	Note: Provides related information or information of special importance.
 Caution	Caution: Indicates potential damage to hardware or software, or loss of data.
	Warning: Indicates a risk of personal injury.

Document Status

Doc Status: Communication of Socket Part User Guide	Technical Publication:
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1 Preface

Catstudio Socket Communication is one part/interface of Communication modules. It could do communication with other TCP/IP Tools.

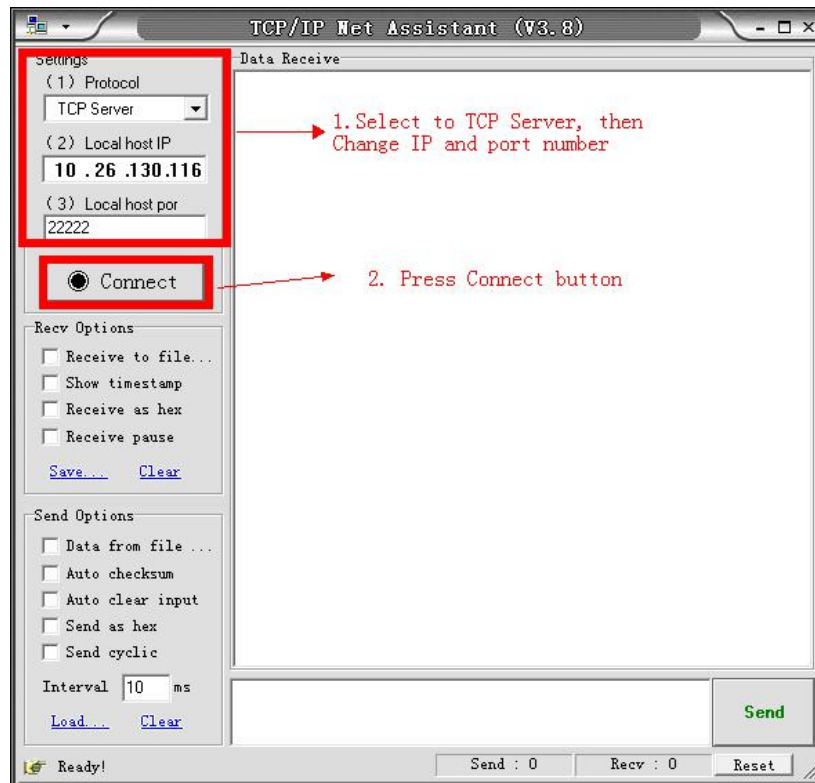
Currently, we support 3 socket types, such as TCPClient, TCPServer and UDP.

2

How to use CATStudio TCPClient mode

2.1 Set TCP/IP tools to TCPServer mode

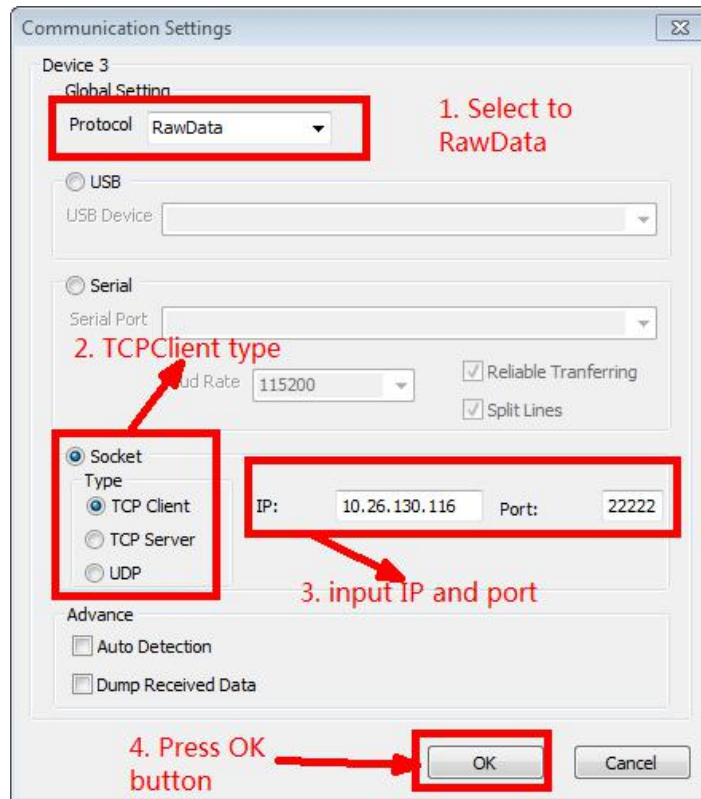
1. We use TCP/IP Net Assistant tools for example;
2. Switch Protocol to TCP Server;
3. Input port number;
4. Press Connect button.



2.2 Set CATStudio to TCPClient mode

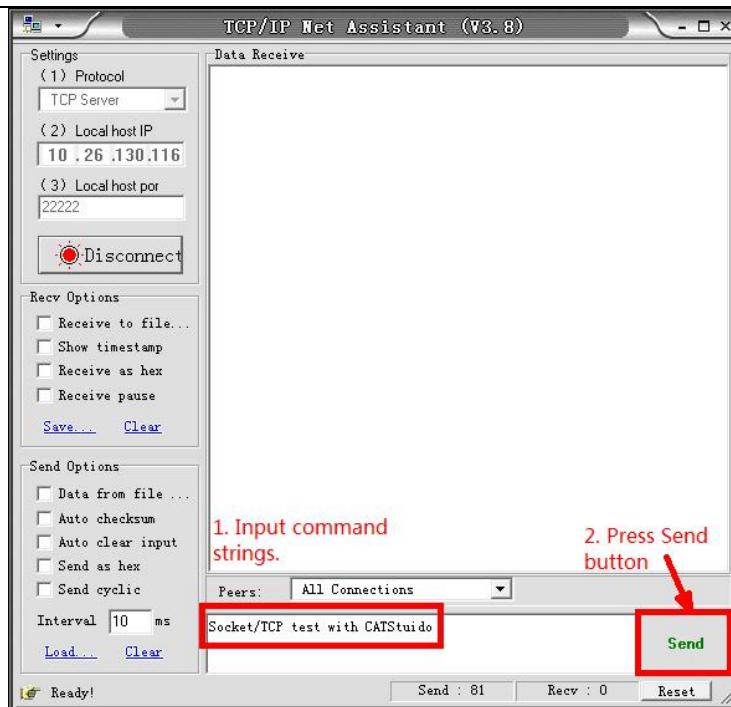
1. Switch Protocol to RawData;
2. Select TCPClient in Socket list;

3. Input TCPServer's IP and port number;
4. Press OK button.



2.3 TCP/IP tool send data, CATS receive data

1. In TCP tool, input the strings;
2. Press Send button.



3. Check the strings in CATStudio LogViewer;

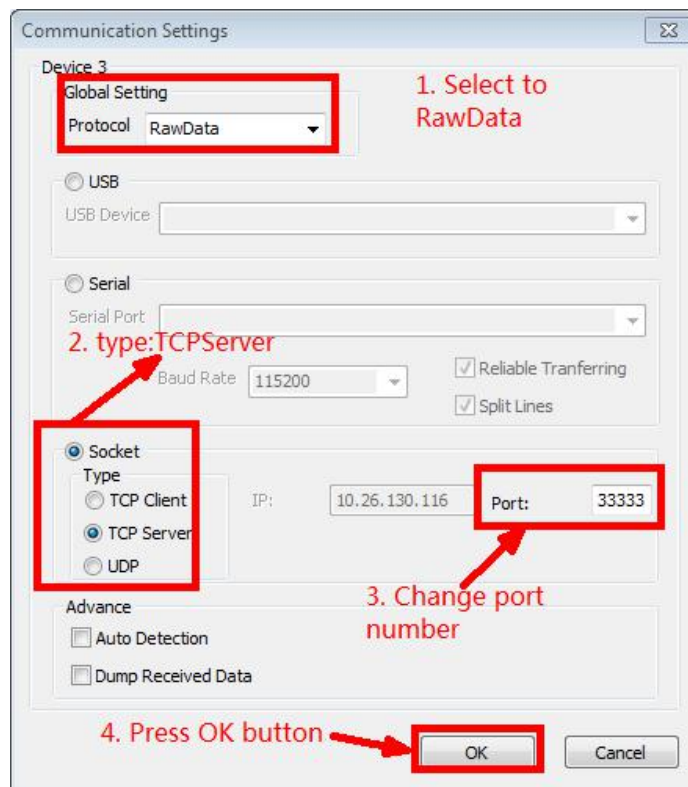
Index	Cat1	Cat2	Cat3	Data	Data Hex	Length	PC Time Stamp	Comm Device	Diag
2				Socket/TCP test with CATStuido	53 6F 63 63 0	30	16:47:51.778	Device 3	

3

How to use CATStudio TCPServer mode

3.1 Set CASTudio to TCPServer mode

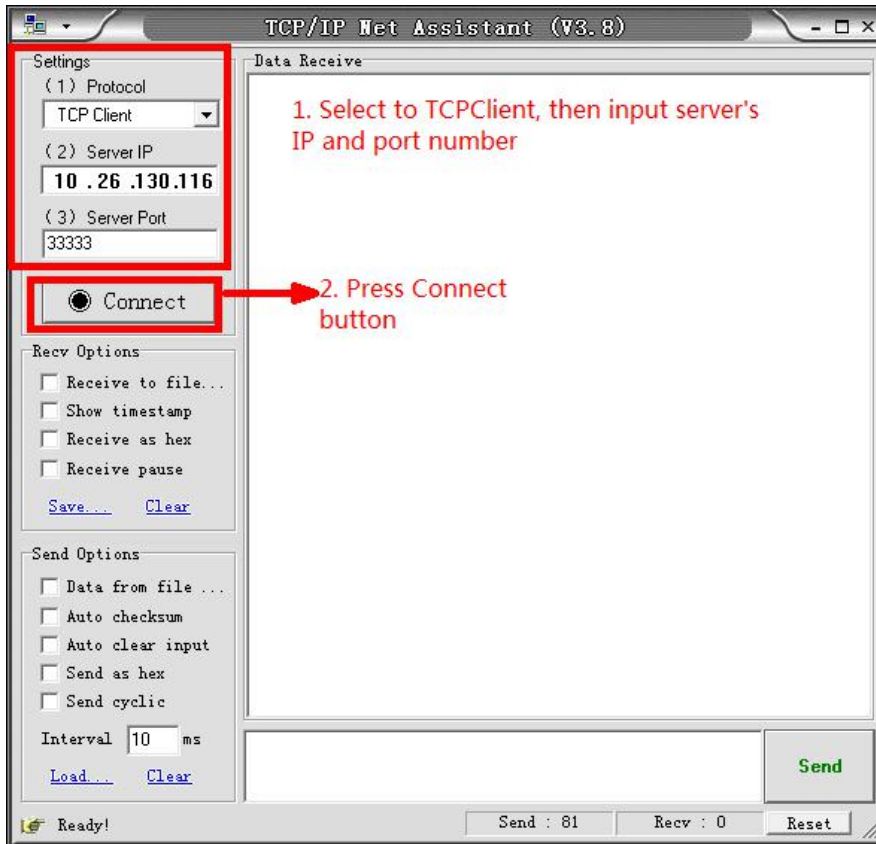
1. Protocol: RawData;
2. Type: TCP Server;
3. Input the port number;
4. Press OK button.



3.2 Set TCP/IP tool to TCPClient mode

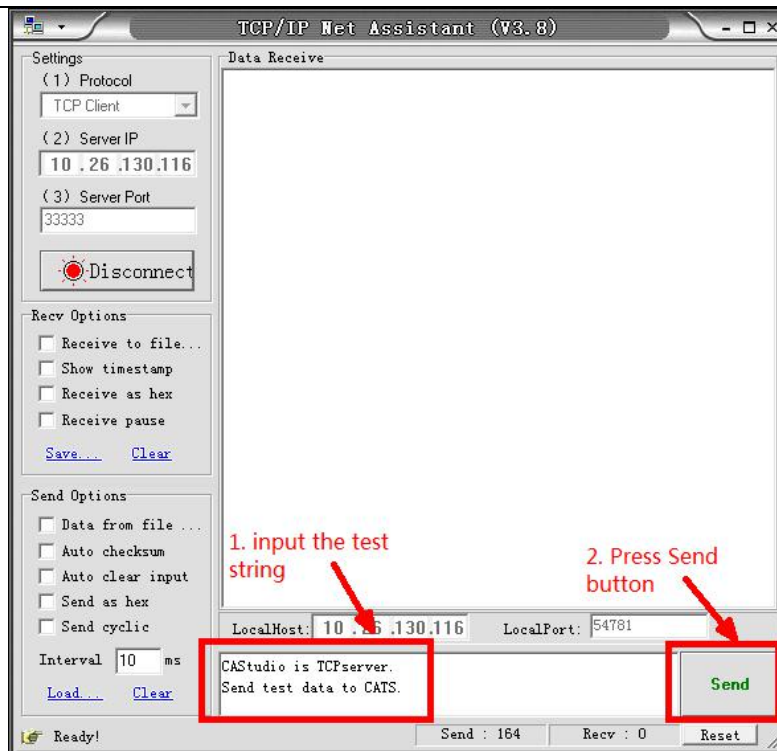
1. Protocol: TCPClient;
2. Input TCPServer's IP and port number;

3. Press Connect button.



3.3 Send data by TCP/IP tool, CATS receive data

1. In TCP/IP tool, input the test strings;
2. Press Send button.



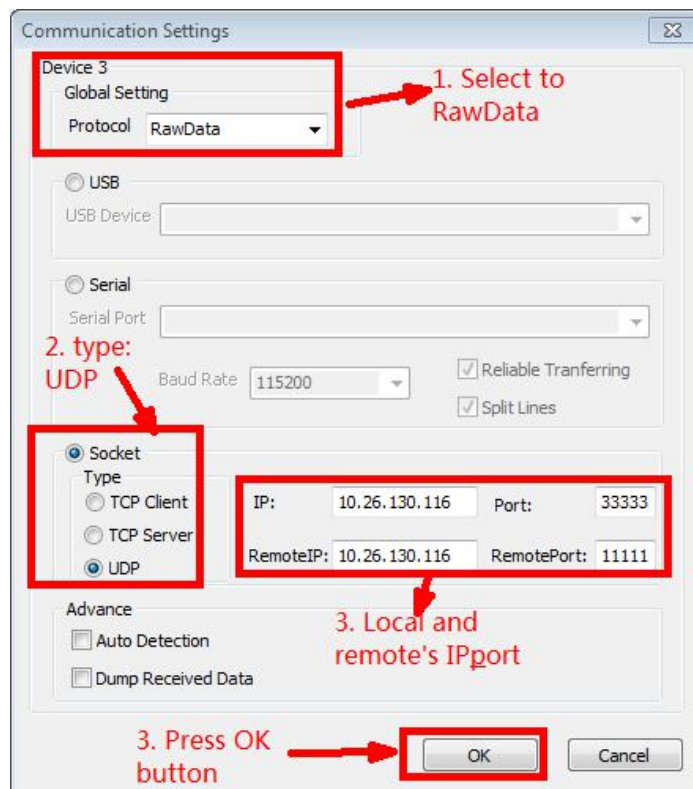
3. Check the log in CATStudio LogViewer;

Marvell CATStudio 2.5.2.49 - LogViewer							
Workspace Modules Utilities Log LogViewer Theme Window Options Help							
LogViewer MiniViewer							
Index	Cat1	Cat2	Cat3	Data	Data Hex	Length	PC Time Stamp
6				CASTudio is TCPserver.	43 41 53 74 75 64 6	22	17:12:31.463
7				Send test data to CATS.	53 65 6E 64 20 74 6	23	17:12:31.463

4 How to use CATStudio UDP

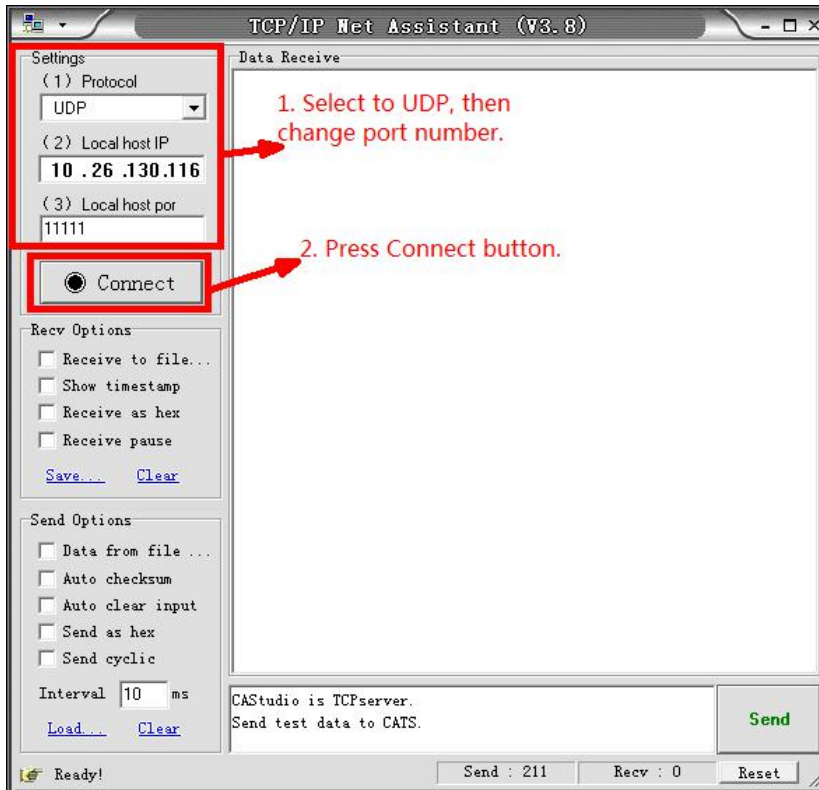
4.1 Set CASTudio to UDP mode

1. Protocol: RawData;
2. Type: UDP;
3. Input local port number, remote IP and remote port;
4. Press OK button.



4.2 Set TCP/IP tool to UDP mode

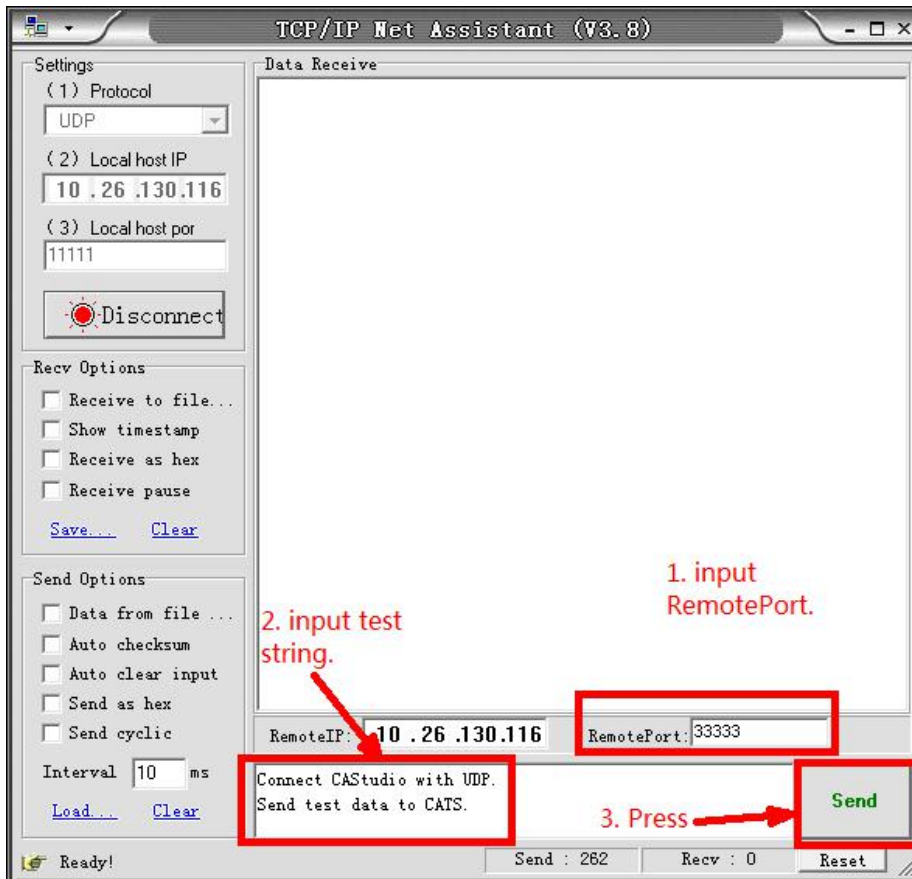
1. Protocol: UDP;
2. Input the port;
3. Press Connect button.



4.3 TCP/IP send data, CATS receive data

1. In TCP/IP tool, change RemotePort;

2. Input the test strings;
3. Press Send button;



4. Check the log in CATStudio LogViewer;

Marvell CATStudio 2.5.2.49 - LogViewer							
Workspace Modules Utilities Log LogViewer Theme Window Options Help							
LogViewer MiniViewer							
Index	Cat1	Cat2	Cat3	Data	Data Hex	Length	PC Time Stamp
8				Connect CASTudio with UDP.	43 6F 6E 6E 65 63 7 26	17:29:07.324	Device 3
9				Send test data to CATS.	53 65 6E 64 20 74 6 23	17:29:07.326	Device 3

5 Appendix

5.1 Report issues

Please visit webs: <http://support.asrmicro.com>.

Or contact ASR FAE/AE

Or please send email to lianghuxu@asrmicro.com with "PC Tools User Doc Issue/Update: ..." title

Or submit an issue at CQ web: <http://sh2-cq01.asrmicro.com/cqweb/login>.

5.2 Update this document

Please send updated document to lianghuxu@asrmicro.com with "PC Tools User Doc Issue/Update: ..." title for merging, and you will receive merged latest version.

5.3 Revision History

Rev	Description	Date
1.00	Initial version	2015-05-29