EZL-200F Application Notes (004)
Multi Monitoring
Version 1.0
1. Multi-Monitoring

1.1. Multi-Monitoring

1.1.1. What’s Multi-Monitoring?

It is not allowed for the existing ezTCP product group to connect several hosts at the same time. In other words, only one connection is allowed for ezTCP, which does not support multi-monitoring, and more than two connections are allowed for ezTCP, which supports multi-monitoring. Both-way communication is allowed for each connection.

![Diagram showing multi-monitoring setup]

[ezTCP not supporting multi-monitoring]
1.1.2. Data Flow

Data transferred from the host to EZL-200F is transmitted only to user device while data transferred from user device to EZL-200F are transmitted to all connected hosts.

1.2. Setting Multi-Monitoring

1.2.1. Setting ezConfig

If you check Multi Conn of ezConfig, multi-monitoring is activated and up to 8 connections are allowed. However, only one connection is allowed if you do not check Multi Conn.
1.3. Multi-Monitoring Restrictions

- Multi-monitoring is allowed only if ezTCP is in T2S mode.
- Multi-monitoring supports only RS-232.
- Multi-monitoring does not support flow control.

1.4. Multi-Monitoring Example

1.4.1. Configuring Multi-monitoring

Configure multi-monitoring as shown in 1.2.1.

1.4.2. Connect telnet

Connect telnet in the Windows command window. You should enter the port number for connection. In the example, since the local port is set to 1470, connect telnet with 1470.
1.4.3. Checking telnet Connection

Open a new command window and enter the following command to check that telnet connection has actually been established.

- Check that Local IP Address matches the IP address of your PC.
- Check that the Foreign IP Address and Port Number match the values set in EZL-200F.
- Check that State is ESTABLISHED.

1.4.4. Secondary telnet Connection

Try to establish secondary telnet connection.
1.4.5. Checking telnet Connection

Open a new command window and enter the following command to check that telnet connection has actually been established.

- Check that Local IP Address matches the IP address of your PC.
- Check that the Foreign IP Address and Port Number match the values set in EZL-200F.
- Check that State is ESTABLISHED.
- Check there are two connections established as shown in the figure above.
The figure below shows 8 connections (Up to 8 connections are allowed.).

<table>
<thead>
<tr>
<th>Proto</th>
<th>Local Address</th>
<th>Foreign Address</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP</td>
<td>10.1.0.154:2665</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2682</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2685</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2687</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2688</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2689</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2690</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>10.1.0.154:2691</td>
<td>10.1.0.100:1470</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>218.49.162.156:1051</td>
<td>218.49.162.162:139</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>218.49.162.156:1046</td>
<td>207.46.106.94:1063</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>218.49.162.156:1056</td>
<td>203.226.253.167:5004</td>
<td>ESTABLISHED</td>
</tr>
<tr>
<td>TCP</td>
<td>218.49.162.156:2658</td>
<td>203.226.253.124:5004</td>
<td>ESTABLISHED</td>
</tr>
</tbody>
</table>