GW-7472
EtherNet/IP to Modbus RTU / Modbus TCP Gateway
Quick Start Guide

Product Website:
https://www.icpdas-usa.com/gw_7472.html

1
What’s in the shipping package?

The package includes the following items:

GW-7472
Software CD
Quick Start Guide (This Document)
CA-002 (DC connector to 2-wire power cable)

2
Installing software on your PC

Install GW-7472 Utility:

The software is located at:
Fieldbus_CD\EtherNetIP\Gateway\GW-7472\Utility
Connecting the Power and Host PC

1. Make sure your PC has workable network settings.
2. Disable or well configure your Windows firewall and anti-virus firewall first, else the “Network Scan” on step 4, 5 and 6 may not work. (Please contact with your system Administrator)
3. Check Init/Run DIP switch if it is on Init position.

4. Connect both the GW-7472 and your computer to the same sub network or the same Ethernet switch, and power the GW-7472 on.
4 Searching the GW-7472

1. Double click the GW-7472 Utility shortcut on the desktop.
2. Click the “Network Scan” button to search your GW-7472.
3. Select “Configure” or “Diagnostic” buttons to configure or test the module.
Module configuration

1. Double click the GW-7472 Utility shortcut on the desktop.
2. Click the "Network Scan" button to search your GW-7472.
3. Select "Configure" buttons to configure the module.
4. After setting, click the "Update Settings" button to finish the configuration.

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**Item** | **Settings (Init Mode)**
---|---
IP | 192.168.255.1
Gateway | 192.168.0.1
Mask | 255.255.0.0
## Item Descriptions:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network Settings</strong></td>
<td>For configuration of the <strong>Address Type</strong>, <strong>Static IP Address</strong>, <strong>Subnet Mask</strong> and <strong>Default Gateway</strong> of the GW-7472. Please refer to section “4.2.1 Network Settings”</td>
</tr>
<tr>
<td><strong>Modbus RTU Port Settings</strong></td>
<td>For configuration of the <strong>Baud Rate</strong>, <strong>Data Sizes</strong>, <strong>Parity</strong>, <strong>Stop Bits</strong>, of the RS-485/RS-422 port of the GW-7472. Please refer to section “4.2.2 Modbus RTU Serial Port Settings”</td>
</tr>
<tr>
<td><strong>Modbus TCP Server IP Setting</strong></td>
<td>For configuration of the IP of each Modbus TCP server. Please refer to section “4.2.3 Modbus TCP Server IP Settings”</td>
</tr>
<tr>
<td><strong>Setting File Management</strong></td>
<td>For the setting files management of GW-7472. Please refer to section “4.2.4 Setting File Management”</td>
</tr>
<tr>
<td><strong>Byte Order Setting</strong></td>
<td>For configuration of the order of two bytes in a word of AI and AO. Please refer to section “4.2.5 Byte Order Setting”</td>
</tr>
<tr>
<td><strong>Modbus Request Command Setting</strong></td>
<td>Modbus commands to communicate with the Modbus slaves. Please refer to section “4.2.6 Modbus Request Settings”</td>
</tr>
</tbody>
</table>
Module Diagnostic

1. Check Init/Run switch if it is on **Run** position.
2. Reboot your GW-7472. Then, reconnect it by utility.
3. Click “Diagnostic” button to open diagnostic window.
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<tr>
<td><strong>UCMM/Forward Open Class 3 Behavior</strong></td>
<td>Send UCMM packets or use the Forward_Open service to build the CIP class 3 connection to communicate with the GW-7472. Please refer to section “4.3.1 UCMM/Forward Open Class 3 Behavior”</td>
</tr>
<tr>
<td><strong>Forward Open Class 1 Behavior</strong></td>
<td>Use the Forward_Open service to build the CIP class 1 connection to communicate with the GW-7472. Please refer to section “4.3.2 Forward Open Class 1 Behavior”</td>
</tr>
<tr>
<td><strong>Response Message</strong></td>
<td>EtherNet/IP packets responded from the GW-7472.</td>
</tr>
<tr>
<td><strong>Modbus TCP Servers Status</strong></td>
<td>The connection status of Modbus TCP servers. Please refer to section “4.3.3 Modbus TCP Servers Status”</td>
</tr>
</tbody>
</table>