**Quick Start**

1. **Connect to Network**
   - Connect an Ethernet cable between the ETH1 port on the Gateway and the Ethernet Switch, and connect an Ethernet cable between the Ethernet Switch and PC.

2. **Connect Power Supply**
   - Once the Gateway boots, the IP address will scroll across the display on the Gateway.
   - Wire size: 22-14 gauge (2 mm) stranded
   - Tightening torque, min 0.22 Nm (2 in/lbs.)

3. **Log In to the Gateway**
   - Type the default IP address 192.168.1.100 into your web browser.
   - After changing the password, the main Gateway dialog appears:

4. **Time Setup**
   - Select the Time icon:
   - The Time Setup dialog appears:
   - Options are:
     - Manual. Enter the correct Date and Time.
     - NTP. Select a time zone.

5. **Configure Network Setup**
   - Select the Network icon:
   - The Network Setup dialog appears:
   - If setting a Static IP, identify the IP address you plan to use.
   - NOTE: Gateway and DNS1 are required only if NTP is selected in Time Setup. (see step 4)

6. **Configure Serial Ports**
   - Select the Serial Ports icon:
   - The Serial Communications Setup dialog appears:

7. **Add Devices**
   - Select the Devices icon:
   - The Device Properties dialog appears:
   - Adding an Ethernet device:
     1. Name the Device.
     2. For the Connection type, select Ethernet.
     3. Select the appropriate Ethernet protocol.
     4. Select the appropriate TCP Port.
     5. Enter the IP address of the Ethernet device being connected to the Gateway.
     6. If necessary, enter the slot number where the processor is located.
     7. Click the Test Device Connection button.
   - Adding a Serial device:
     1. Name the Device.
     2. Select the serial port the device will be connected to.
     3. Select the protocol the serial port will be using.
     4. For most applications “Slot Number” should be left at “0”.
     5. Select the type of error checking used by the PLC’s serial port protocol.
     6. Some applications need the ACK Timeout, NAK Retries, and ENQ Retries values adjusted. If uncertain, use the default values.
     7. Click the Test Device Connection button.

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**Required from User:** 24 VDC power supply, all cables and wiring, Ethernet switch.

**Models Covered:** WP-G-221-P1, WP-G-241-P1, WP-G-221-P2, WP-G-241-P2

**Questions?** Access our built-in online help.

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Add Tags
The Gateway moves tag data between connected devices. For each device connected to the Gateway, specify the tags from which data will be read, and the tags to which that data will be written.

Specify the following:
- **Tag Name**: Name the tag.
- **Data Type**: Select data type of the named tag.
- **Address**: Enter the name of the tag in the PLC, or the address of the tag depending on the protocol.
- **Byte Swap/Word Swap/Is Array**: Refer to user’s guide for more detailed information. In most applications, these boxes can be left unchecked.

**NOTE**: Tags can be imported from a .csv file.

Activate Tag Map and View Live Tag Map data
1. Activate the Tag Map to begin communication between the Source and Destination tags, select:
2. Select the Live Tag Map Viewer to view the transfer of tag data:

Create Tag Maps
A tag map executes a tag copy between PLCs.

Select the Tag Map icon:

The Tag Map Editor dialog appears:

1. Specify the Source tag.
   - From “Available Tags”:
     a. Select a Device.
     b. Select the Tag that will be used as the data Source.
     c. Confirm that the Source field is highlighted, and select the Move Tag button:

2. Specify the Destination tag.
   - From “Available Tags”:
     a. Select a Device.
     b. Select the Tag that will be used as the data Destination.
     c. Confirm that the Destination field is highlighted, and select the Move Tag button:

3. Repeat steps 1 and 2 for each additional Source/Destination tag pair needed.
4. **Name**: Enter a name for the Tag Map.
5. Specify when a tag map executes:
   - **On Change**: Executes a tag map on the state change of a specified tag.
   - **Periodic**: Executes the tag map on a user defined rate of frequency.
   
   **Special condition for safe use (ATEX)**
   1. Provision shall be made to prevent the rated voltage being exceeded by transient disturbances of more than 140% of the peak rated voltage.
   2. The system shall be mounted in an ATEX certified enclosure with a minimum ingress protection rating of at least IP54 (in accordance with EN/IEC 60079-15) and used in an environment of not more than pollution degree 2. The enclosure shall be accessible only with the use of a tool.
   
   **Suitable for use in Class I, Division 2, Groups A, B, C, and D hazardous locations, or nonhazardous locations only.**
   **Warning**: EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS KNOWN TO BE FREE OF IGNITABLE CONCENTRATIONS. AVERTISSEMENT - RISQUE D’EXPLOSION - Ne déconnectez l’équipement tandis que le circuit est sous tension ou si la zone est connue pour être libre de Concentrations in-ammables.
   **Warning**: EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENT MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2. DANGER D’EXPLOSION - La substitution de composants peut rendre cet équipement impropre à une utilisation en environnement de Classe I, Division 2