# **Quick Start**



Connect to Network

Connect an Ethernet cable between an Ethernet port on the Gateway and the Ethernet Switch, and connect an Ethernet cable between the Ethernet Switch and PC.





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)

**Connect Power Supply** Once the Gateway boots, the IP address will display on the Gateway.



Wire size: 22-14 gauge (2 mm) stranded Tightening torque, min 0.22 Nm (2 in/lbs.)

### Add Devices

Select the Devices icon:

#### Adding an Ethernet device:



1. Name the Device. 2. Select the appropriate Ethernet protocol. 3. Select the appropriate

TCP Port. 4. Enter the IP address of

the Ethernet device being connected to the Gateway.

5. If necessary, enter the slot number where the processor is located.

6. Click the Test Device Connection button.

## Log In to the Gateway

Type the default IP address 192.168.1.100 into your web browser.

The User Interface dialog appears:

Enter the default password: Spectrum

After changing the password, the main Gateway dialog appears:

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<b>(611.12</b>	<ul> <li>See 10</li> <li>See 10</li></ul>	
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The Device Properties dialog appears.

#### Adding a Serial device:



1. Name the Device.

2. Select the protocol the serial port will be using.

3. Configure the serial port the device will be connected to. (See Step 7)

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.

Models Covered: WP-G-222-P1, WP-G-242-P1, WP-G-222-P2, WP-G-242-P2

Questions? Access our built-in online help.

Ambient Temperature Range: 0C < Ta < 55C

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

• Device rating: 10-32 VDC 3W

### Universal Industrial Gateway

Time Se	tup
Select the	Time icon:
The Time Setup dialog appears:	Time         Bit reversal features distance parts Time: 8 Dec 2022 / 06:21:33 pm           Manual         Rev Bate: 2:76:2022           Manual         New Time: 2 + 1 11 + 12 3
	Apry 1975    Lipidels Rate;       Days = v NTP device Address:    2000mm NTP +
Options are: • Manual. Enter the • NTP. Select a time	e correct Date and Time. e zone.
Configure Gateway to port config to which y	re Serial Ports the serial port on the o match the serial guration of the device ou are connected.

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# **Quick Start**



#### 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.

To add tags, select a device you added, and select the Add Tags icon:



The Tag Properties dialog appears:

Tag Prop	erties
Tag Name:	*
Description:	
Data Type: INT 🗸	
Address:	*
Byte Swap: 🗌 Word Swa	ар:
Is Array: 🗌	
Submit	Cancel

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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



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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 60079-0) and used in an environment of not more than pollution degree 2. The enclosure shall be accessible only with the use of a tool.

GB 3836.1-2010, GB 3836.8-2014 EN 60079-7 :2015+A1 :2018

**Create Tag Maps** 

A tag map executes a tag copy between PLCs.

Select the Tag Map icon:



To add a Tag Map, select the Add Tag Map Icon:

The Tag Map Editor dialog appears:

- 1. Specify the Source tag.
  - i. 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.
  - i. 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.

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 étre libre de Concentrations in-ammables. This device shall be installed in an enclosure which can only be opened with the use of a tool. Cet appareil doit être installé dans un boîtier qui ne peut être ouvert qu'avec un outil.

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