

TankScan Wi-Fi Gateway Setup Instructions

Items needed:

- Laptop
- Digi® Device Discovery Utility
- Network Shared Key (password)
- Microsoft Windows® OS
- Network Security Mode

The Digi Device Discovery Utility can be downloaded via a Google search or directly from the Digi support page:

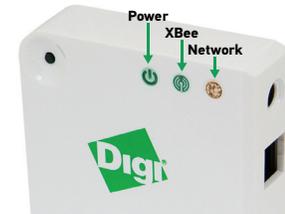
<http://www.digi.com/support/getasset?fn=40002265&tp=5>.



Determine Gateway Location

- 1 Locate gateway near 115 VAC outlet that is close to TankScan monitor. It is okay to place gateway in a different room than TankScan monitor but limit the number of walls and distance between them. Metal walls will weaken signals significantly while other material types will also weaken signals but with less impact.

- 2 Power up the Digi ConnectPort® X2e. Wait until the power indicator is solid green, the XBee indicator is blinking green and the network indicator is blinking orange. The X2e may take a few minutes to reach this state of operation.



- 3 Turn on your laptop's wireless network card.

- 4 Press and release black button on the X2e once. The X2e will enter into a special access point mode (network indicator turns solid orange) for five minutes.



- 5 While the network indicator is solid orange, check for wireless networks available to your laptop. The X2e will appear as cpx2e-zb-xxxxxxx, where xxxxxxxx is the serial number of the gateway.

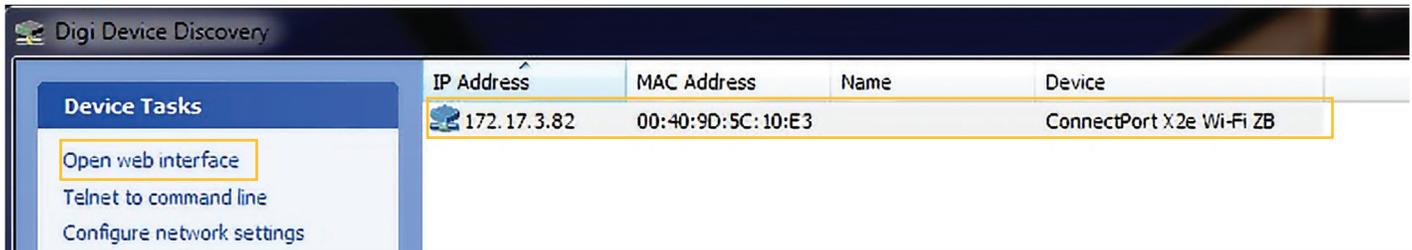
- 6 Connect to the X2e's wireless network.

- 7 Mount using supplied velcro. For the best signal strength mount gateway with logo side facing TankScan monitors.

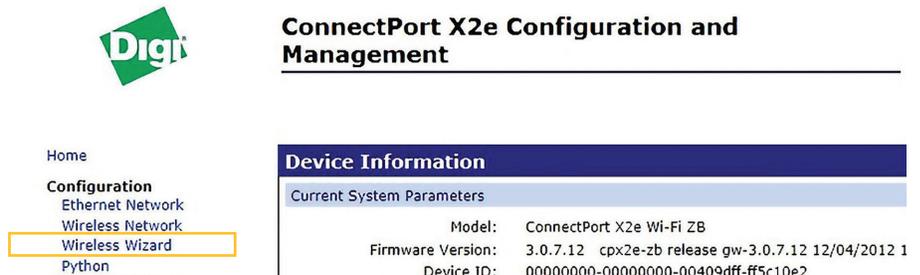


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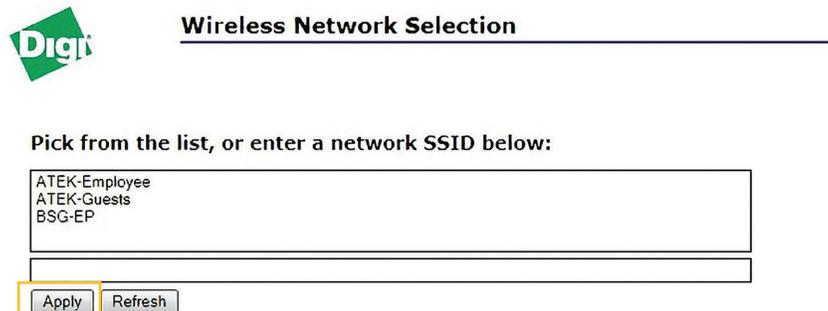
- 8 Install and run the Digi Device Discovery Utility. Locate the device labeled ConnectPort X2e Wi-Fi ZB. Click once on the device and then click on **"Open web interface"** under Device Tasks (double clicking the device will bring you to the web interface as well).



- 9 After the Web user interface loads, select **"Wireless Wizard"**.



- 10 Select your facility's wireless network or enter the network's SSID and click **"Apply"**.



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- 11 Select the Security Mode used on the wireless network from the drop down menu. Typical modes are **WPA-PSK** (Pre-shared key), **WPA-EAP** (Extensible Authentication Protocol), **WEP** (Wired Equivalent Privacy), and **Open** (unsecured). Then click **Apply**.



Wireless Network Selection

Security Mode:

WPA Shared Key:

- 12 Enter a network Shared Key (password), if required. There is no Shared Key for open networks. Then click **Apply**. The gateway will apply the network parameters. Network interruption may occur during this time, as well as a potential gateway reboot.



Wireless Network Selection

Security Mode:

WPA Shared Key:

NOTE: If the Shared Key (password) changes, repeat steps 1 -11 to update with the new password.

- 13 Wait for **Storage transaction complete** message to appear, power indicator to be solid green, XBee indicator to be blinking green, and network indicator to be solid green before moving to next step. **Important: This may take a couple of minutes before gateway reaches this state of operation.**



Wireless Network Selection

Storage transaction complete

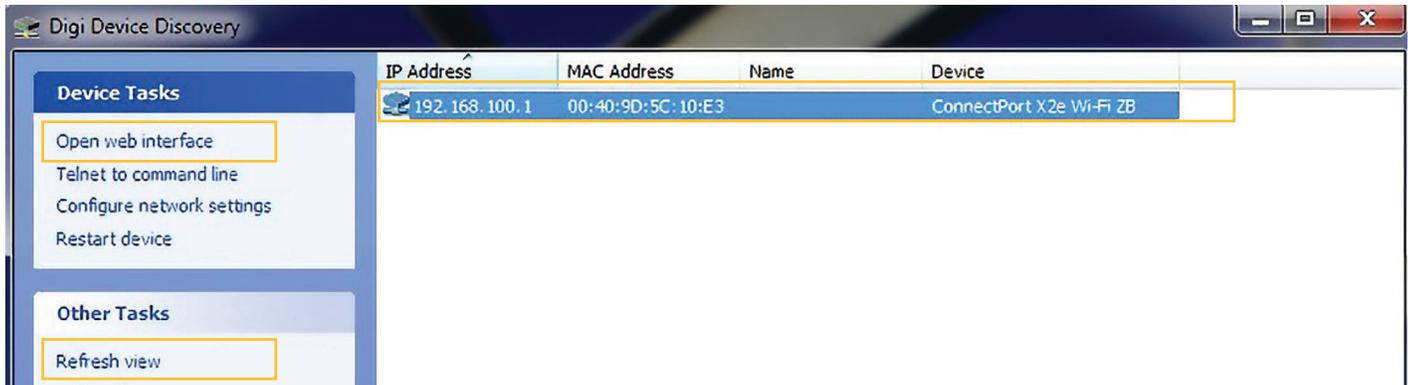
The system is currently attempting to apply the requested parameters. Network interruption may occur during this time, as well as a potential device reboot. Examine the LEDs to determine whether the device successfully connects to the wireless network.

As the address of the device may change when connected to a new network, it may be necessary to use discovery tools to find the device if further interaction is required.

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- 14 Connect your laptop to your facility's wireless network that the gateway has now joined.
- 15 Open the Digi Device Discovery Utility and click on "**Refresh view**". Locate the device labeled ConnectPort X2e Wi-Fi ZB. Click once on the device and then click on the "**Open web interface**" under Device Tasks (double clicking the device will bring you to the web interface as well).



- 16 Verify via Web User Interface home page that the device is connected to the internet cloud. A successful connection will be indicated when "**Network Connectivity Status**" indicator is green.



ConnectPort X2e Configuration and Management

Home
Configuration
Ethernet Network
Wireless Network
Wireless Wizard
Python
Network Services
Time
iDigi Connectivity
XBee Network
Administration
File Management
Firmware Update
XBee Firmware Update
XBee Status
System Log

Device Information	
Current System Parameters	
Model:	ConnectPort X2e Wi-Fi ZB
Firmware Version:	3.0.7.12 cpx2e-zb release gw-3.0.7.12 12/04/2012 17:56:
Device ID:	00000000-00000000-00409dff-ff5c10e2
Date and Time:	Wed Jul 2 15:31:32 UTC 2014
Ethernet MAC Address:	00:40:9d:5c:10:e2
Ethernet IP Address:	172.17.2.96
Wi-Fi MAC Address:	00:40:9d:5c:10:e3
Wi-Fi IP Address:	192.168.100.1
DNS Servers:	172.17.1.66,172.17.1.65,8.8.8.8
Network Connectivity Status:	<input checked="" type="checkbox"/>

- 15 Close your internet browser and Digi Device Discovery Utility.
Congratulations! Your ConnectPort X2e gateway setup is now complete.



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