

## Wireless Bridge Configuration for Lantronix SGX5150

## Introduction

A Wireless Bridge (Ethernet to Wi-Fi Adapter) can be used to connect an IQNCCEN Ethernet Communication Cartridge to a wireless network. This eliminates the need for the satellite controller to be physically wired to a network router or switch for communication with IQ.



NOTE: Port Forwarding must be configured on the router if using IQ-Cloud. Refer to the IQ™ Central Control System Port Forwarding Instructions document. Port Forwarding is not required for IQ-Desktop or IQ-Enterprise.

## The following information is required for setup:

- SSID (wireless network name) of the site wireless network
- Network Passphrase
- Static or Reserved IP Address for the IQ satellite on the network
- MAC Address of the IQNCCEN Ethernet Cartridge (see label)

## Lantronix SGX5150000US (v8.1 or higher) IoT Device Gateway Setup

- **1. Attach the 2 provided antennas** (or an external antenna) to the Gateway.
- **2.** Plug in the provided USB cable into the Gateway and to a **USB Power Supply** (not provided). Alternatively, use a **9-30VDC Power Supply** with barrel connector (not supplied).

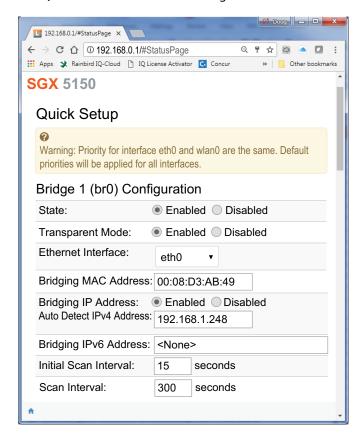
**3.** Use a computer to connect to the Gateway's Wi-Fi. The SSID is **SGX5150\_\*** (\* is the Gateways 12-digit serial number).



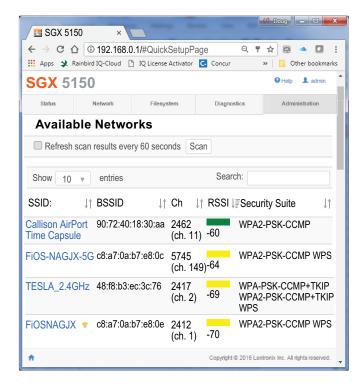
- **4.** From the computer browser connect to **192.168.0.1** and log in using the following default credentials. The credentials are case sensitive.
  - USER ID = admin
  - PASSWORD = **PASS** then press **Log In**



- **5.** In the **Quick Setup** screen **Bridge 1 Configuration** section make the following changes:
  - a) Set Bridge State to Enabled.
  - b) Set Transparent Mode to Enabled.
  - c) Enter the IQNCCEN Ethernet Cartridge MAC Address in the Bridging MAC Address field.
  - d) Set the Bridging IP Address Auto Detect IPv4 Address to Disabled.
  - e) Enter the network IP Address assigned to the IQNCCEN Ethernet Cartridge in the Bridging IP Address field.
  - **f)** Retain all other default settings.



- 6. In the Available Networks section:
  - a) Choose the site **Wi-Fi SSID** name from list of available networks then enter the network **Passphrase**.
  - **b)** Click **Submit** to save the configuration and complete the SGX5150 Quick Setup.
- **7.** Use the **IQ NCC Configurator Software** and supplied cables to configure the IQNCCEN Ethernet Cartridge. See NCC Configurator Instructions.
  - a) Enter the Network IP Address assigned to the IQNCCEN Ethernet Cartridge (same IP Address used in step 5e).
  - **b)** Enter the **Subnet Mask, Gateway,** and **Port** and send to the cartridge.





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