This document provides instructions for configuring devices to connect to the DuqNet IoT recreational network provided by Computing and Technology Services.

**Important:**

You will not be able to connect to the “DuqNet-IoT” network until you have registered your device through the online portal.

Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Frequently Asked Questions</td>
<td>2</td>
</tr>
<tr>
<td>Additional Guidelines</td>
<td>3</td>
</tr>
<tr>
<td>Logging On</td>
<td>3</td>
</tr>
<tr>
<td>Creating a Device</td>
<td>5</td>
</tr>
<tr>
<td>Managing Devices</td>
<td>8</td>
</tr>
</tbody>
</table>

Introduction

Campus network improvements have placed CTS in the position to be able to extend wireless services to gaming consoles and streaming devices. CTS has configured a program to allow those devices to access the internet. Through this webpage you can register four non-WPA2 enterprise capable devices. Devices like your AppleTV, Xbox, PlayStation, ROKU, etc. will be able to connect to the campus wireless network, although any streaming devices connected to IoT must be controlled with their respective remote. This network, which is called "DuqNet IoT", has been designed for recreational purposes only. Access to internal academic resources will not be provided.
Frequently Asked Questions

This network is considered ad hoc and will not be supported in a similar fashion as DuqNet.

What does that mean for you?

Requests from customers about slowness (or lag during gameplay) and general connectivity issues will not be serviced by CTS on a personal basis.

What will CTS support?

CTS will monitor if the service is up and available only. CTS will only act if the network is experiencing a campus-wide outage.

What do I need to gain access to this network?

You will need to know your MultiPass credentials and the hardware address (MAC address) of the device you would like to connect.

How do I get the hardware address of my device?

Please contact the manufacturer of your device to obtain its hardware address or perform a quick Google search for "How do I find the hardware address for my (insert device model here)..."

Why am I only allowed to register four devices?

CTS will be constantly evaluating this service and its impact on the overall campus internet connection. For this reason, at this time we can only allow four devices per person.

Why do I have to re-register my devices to IoT every fall semester?

In order to optimize authentication onto DuqNet IoT, CTS will purge all MAC addresses from the DuqNet IoT database at the very beginning of the fall semester. This purging will clean up MAC addresses for devices that are no longer on campus, help CTS manage the DuqNet IoT service, and speed up authentication for DuqNet IoT users.

I have multiple devices; can I manage my account to add and delete devices as I see fit?

Yes, after you log-in to the registration page you will have the option to add and delete devices.

I'm ready, how do I start?

Just click the blue button below to register your devices on DuqNet IoT.
Additional Guidelines

This guide will walk you through the process of registering your streaming/gaming device on the DuqNet-IoT wireless network.

Before you can register your device, please consider the following:

- Since this is an unsecured wireless network please be very cautious with your personal data. Only use SSL encrypted websites when dealing with personal information. Sites that begin with https:// in the URL are a good indicator you are on a secure site.
- Unfortunately, you will not be able to print to this network from DuqNet, please refrain from setting up printers on this network as it may cause slowness.
- Currently, we are unable to support “AirPlay” (Apple’s screen sharing technology).
- Please refrain from connecting your laptop to this network. This is not a replacement for DuqNet. This network is intended for IoT devices only as described in Section I.
- This network is strictly a pilot for now and CTS will continue to make changes and improvements while supporting this service in a limited manner.

Logging On

To begin the registration process:

1. Open your browser of choice.

2. Please select the address bar and type in the following website... duq.edu/iot

3. This will direct you to the Internet of Things information page.
4. Please read through the information on the page, as it may answer some common questions you might have.

5. Make sure you have the hardware address (to obtain your address refer to Section II) of the device you would like to register and make sure your MultiPass credentials are up to date.

6. When you are ready click the blue “Internet of Things Device Registration” button to begin.
7. Log into the registration portal using your MultiPass credentials

Creating a Device

After you log in you should be greeted with the main registration page. If not, click on the navigation links on the left side of the page and select “Start Here”.

To create a new device:

1. Click on the “Create Device” link to begin the registration process.
2. After the page loads, you will be required to name your device (pick something descriptive you may need to change it later).

3. Then, enter the MAC (hardware) address of the device you are registering.

4. Please make sure to click & read the terms of use & agree to them by selecting the checkbox.

5. Lastly, click the “Create Device” button at the bottom of page to register the device.
Please Note: You may get an error if you entered a non-valid MAC address. If that happens to you, please confirm the MAC address on the device you are registering is correct. If you are having issues finding the correct MAC address you may need to consult the manufacturer of your device or try a simple internet search.

6. If everything was entered correctly, you will receive a receipt page. Make sure all the information you entered is correct.

Please Note: If all the information is correct and you want register another device, you will need to enter the hardware (MAC) address and click the “Create another device” link and repeat the registration process.

7. If you are finished just select the “Logout” link to the left of the registration page to quit.

You are now registered. Please connect your device of choice to the “DuqNet-IoT” wireless network and enjoy!
Managing Devices

If you would like to manage your account by deleting or changing any of the MAC addresses you have listed, please do the following:

1. Select “Manage Devices”.

2. On the new page, select the MAC address you want to edit or delete. Click on that MAC address to reveal two options, “Remove” or “Edit”.

3. Select “Remove” to bring up a new dialog box.

4. Make sure you have the “Delete account” button selected in the Action dialog box to remove it.

5. Select the “Make Changes” button to remove the MAC address.
At this point, refer to Section V and walk through the steps provided to add a new MAC address.