

Getting Started with ATU ResNet

Some internet-capable devices are unable to connect to ATU-Wireless due to its requirement of entering a username and password to access the network. This is where ResNet comes in. Some of your devices, like Smart TVs, Game Consoles, and other smart devices will need to utilize ResNet to connect to Wi-Fi while at Arkansas Tech University. Don't worry, it's easy to get started!

Please note: All computers (Devices running Windows, macOS), and smartphones (iOS, Android) will use ATU-Wireless, as these devices are designed to connect to that network. You'll just enter your OneTech credentials after selecting ATU-Wireless. Once connected, you may be asked to approve a certificate. This certificate is valid; you can select **Trust**.

Connecting Wirelessly

1. On a smart device, (this could be your phone or computer) go to your web browser and type atu.campuswifi.net
2. This will bring you to the ResNet Device Registration Portal. Review the Terms & Conditions, and, if you agree, check the box by "**I agree to the Terms and Conditions**". Sign in with your OneTech credentials.
3. You'll be brought to a page titled "**WPA2 Registration Portal – SplashAccess**". Scroll down to the section titled **Manage Device(s)**.
4. In the **Add Device** section, you'll notice three text fields. **MAC Address**, **Device Name**, and **Device Description (Optional)**. To the right, there is an **+ Add** button.
5. Go to your smart device that you are trying to connect to ResNet. (Game console, Smart TV, etc.) and you'll want to find the MAC Address. MAC stands for Media Access Control. It's an easy way for the network to identify your devices. Every device has its own unique 12 hexadecimal digit sequence. Example: 00:1A:2B:3C:4D:5E
To find this, you'll typically go to Settings → Network on your device to find its MAC address. Not sure how to find it? A quick internet search

will reveal where your specific device's MAC address is located. For instance, search "Nintendo Switch 2 how to find MAC address" and you'll see instructions. Find the MAC address and note it exactly. Some MAC addresses will be lowercase letters, and some will be uppercase. They appear the same way to the network, so the case that it is entered does not matter.

6. Go back to the ResNet Device Registration Portal. In the **Add Device(s)** section, enter the MAC address that you had noted in the **MAC address** field. Enter the device's name in the **Device Name** section. Example: **Nintendo Switch 2**. You may add a device description if you feel more information for the device is needed, but it is optional.
7. Once you have entered this information and you are certain it is correct, select the **+ Add** button. This will add the device to ResNet under your account.
8. Scroll back up to the "**Generate a Wi-Fi password**" section. Under Wi-Fi Password, select  **Generate Password** and the system will generate one for you. Select the  button to view the password.
9. On the device you want to connect, go to your available networks, and find ATU-HomeDevices & ATU-HomeDevices -5g. The 5Ghz version will usually be much faster, but it varies by device. Select the network you would like to connect to and enter your newly generated password. When connecting to new devices in the future, you won't need to regenerate your password. Just use the one that was generated from the previous time you connected to a device. You should now be connected! Enjoy your devices online. Remember, ATU's internet policies, including illegal downloading, still apply on ResNet.

Connecting using a Wired Connection

1. You'll need an Ethernet cord to connect this way. Ethernet cords, on compatible devices, offer much faster speeds and are enjoyed by people who watch high-quality movies and TV, and online video game players.
2. All bedrooms in the residence halls have a wireless unit mounted on one wall of the room. The unit provides 2.4ghz and 5ghz wireless, as well as ports on the bottom for wired connectivity. There are two types of Cisco wireless routers available in the residence halls installed by OIS:



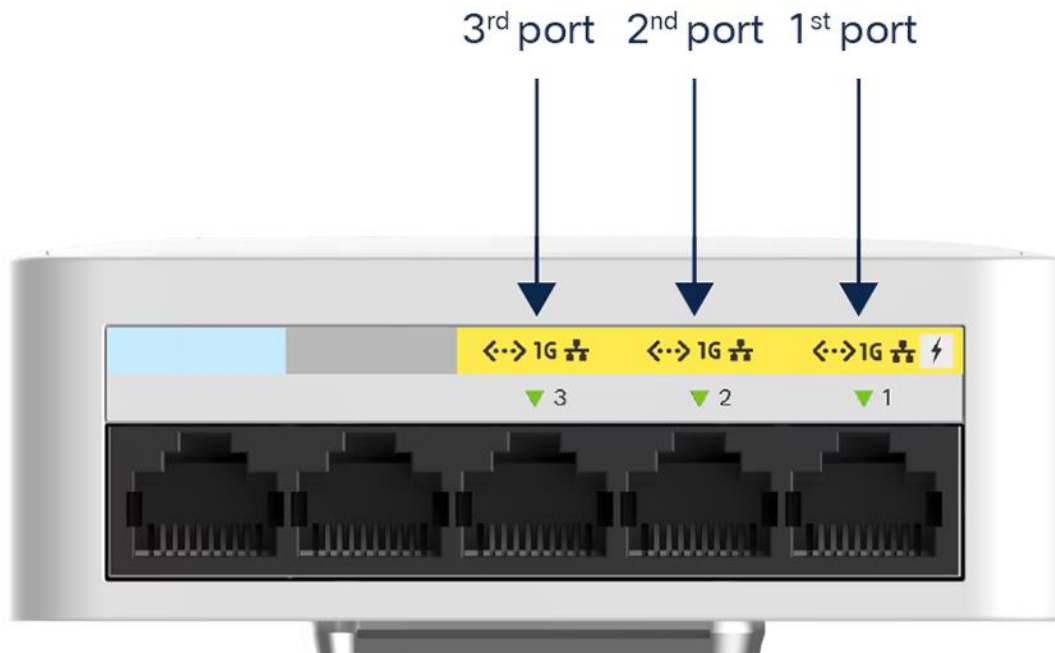
A Cisco wireless unit currently used in Baswell, Caraway, Jones, M-Street, Nutt, Paine, and Wilson residence halls as well as University Commons apartments.



A Cisco wireless unit currently used in Brown, Tucker, and Turner.

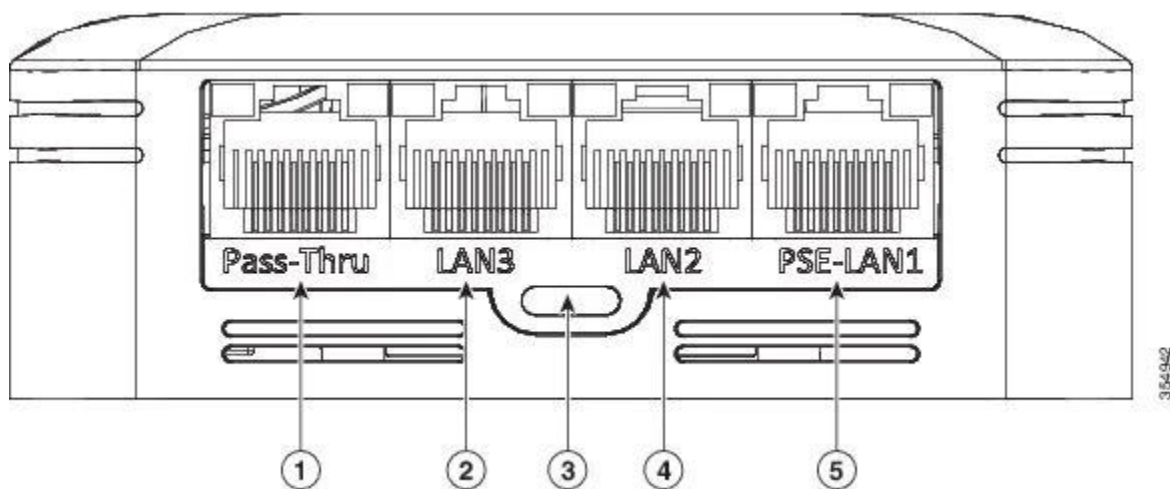
3. If you have previously signed into the portal and generated a password, you can skip this step. If this is your first time signing into the portal to register a device, first click the “Generate Password” button (this must be done before you can register any device). This password is for Wi-Fi connections only and will not be used for your devices connecting on a wired port, but the step is still required before you can register a device.
4. To add a new device, find the “**Add Device**” area in the “**Manage Device(s)**” section. Enter the device’s wired MAC address and name or the device. Remember, wired connections use a different MAC address than Wireless connections do. Optionally, you can also add a description for it. Once this information is entered, click the “**+ Add**” button.
5. Connect your device to one of the available ports.

On the Cisco router for Baswell, Caraway, Jones, M-Street, Nutt, Paine, Wilson and University Commons you can use one of the three available ports:



You can use ports 1, 2, and 3.

On the Cisco router for Brown, Tucker, and Turner:



You can use PSE-LAN1, LAN2, and LAN3 ports.

For more information, contact Residence Life at (479) 968-0376, or email us at housing@atu.edu

For technical issues, call the Office of Information Systems at (479) 968-0646 or ois@atu.edu