Frequently asked questions (FAQ) about the TTUnet Wi-Fi network

Who has access to the TTUnet Wi-Fi network?

In general, the answer is that current students, faculty, staff, and business/research partners of TTU and TTUS have access.

What about guest access? My department is hosting a meeting or conference. Can wireless network access be provided to the attendees?

An established procedure is in place to provide temporary wireless access. Please see How to: Request access to the TTUguest wireless network for visitors to TTU.

What type of Wi-Fi network is TTUnet, and what kind of wireless standards should I ensure my hardware includes before making a purchase?

TTUnet wireless uses the 802.11n specification. Hardware designed for the 802.11b, 802.11g, and 802.11ac standards is usually compatible with the 802.11n standard. However, we recommend checking with the manufacturer to be certain.

TTUnet uses the following standards for encryption and authentication:

- WPA2-Enterprise
- 802.1X
- PEAP/MS-CHAP-V2
- AES

Please make sure the hardware and software you are purchasing supports these industry standards.

Does the TTUnet wireless network replace the TTUnet wired network?

The wireless network is not a replacement for the wired infrastructure. Wireless networking is provided only to enhance mobile communications. Desktops, servers, and workstations should be connected to the wired infrastructure exclusively. There are several reasons for this approach:

- Wireless bandwidth is very limited. All wireless networks share the available capacity with many systems in the same way legacy shared-Ethernet hubs work. Wireless capacity is limited. There are a limited number of radio channels that can be used to provide more capacity in an area. This significantly limits the number of systems that can be served wirelessly. Wireless communications are not as reliable as wired. Since it is based on radio reception, wireless communications can be upset by a wide variety of external causes, such as interference from rogue wireless stations, microwave ovens, portable phones, baby monitors, Bluetooth devices, and natural phenomena.

How secure is TTUnet wireless networking?

All Texas Tech University information resources may be accessed over the TTUnet wireless network.

The standard used for encrypting data over TTUnet is the same standard approved by the National Security Agency (NSA) and used by the United States government.

What can I access over the TTUnet wireless network?

You will be able to access all of the TTUnet and Internet resources over the wireless network that you can access from a wired connection.

Will TTUnet wireless networking be available outdoors?
Planning to provide wireless network access outdoors is ongoing, and we hope that it will be available in the future. If you have specific needs, please contact IT Help Central who can assign an issue in your name to Telecommunications.

Where do I go for assistance and information?

Contact IT Help Central for further assistance or information.

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