WPA2 Wireless Documentation

SU WPA2 Secured Wireless FAQ

SU WPA2 Secured Wireless Setup Instructions

Campus Wireless

802.11ac now called **Wi-Fi 5** is the latest deployed standard for wireless local area networking (WLAN). The main benefit of **Wi-Fi 5** when compared to **802.1n**, are **3X** faster transmission speeds, capacity and increased signal strength.   **Wi-Fi 5** also supports systems using **802.11n, a, b, or g,** at their rated speeds. **Wi-Fi 5** uses the **5GHz** band while **802.11n** uses **5GHz** and **2.4GHz.** A new standard **802.11ax** or **Wi-Fi 6** is being finalized by 2020.

Information Technology Services has completed campus wide upgrade to **802.11ac** or **Wi-Fi 5**, and it is now deployed in all Suffolk University buildings supporting all the standards below.

	IEEE Standard	Frequency	Data Rates	
			Typical	Maximum
a	802.11a	5.0GHz	27 Mbps	54 Mbps
b	802.11b	2.4GHz	5 Mbps	11 Mbps
g	802.11g	2.4GHz	22 Mbps	54 Mbps
n	802.11n	5.0 & 2.4 GHz	144 Mbps	600 Mbps
ac	802.11ac	5.0 GHz	430 Mbps	1,300 Mbps

 Wikipedia is a good source for more information on the IEEE 802.11 standards.

WPA2 Wireless

SU WPA2 is Suffolk University's secured wireless service. It is available in all publicly accessible areas in all the Suffolk's campus buildings. This includes all the residence halls. Students can access **SU_Student_WPA2** service with their Suffolk email or single sign-on credentials; faculty and staff can access **SU_Staff_WPA2** with their Suffolk University email or single sign-on credentials. **SU WPA2** secured wireless service will allow users to access standard websites, as well as to connect to shared departmental network drives, shared folders, certain network applications, edit websites, perform file transfers, and much more.

What to Expect

This service normally will be available 24 by 7 except for standard change windows, as described in SU's standard policies, procedures, and schedules for making changes.

Requirements

Access to the University's wireless network generally requires a device with an 802.11 Ethernet adapter, supporting either A, G, B, N or AC and wireless services available in that location.

Getting Started

- For details and to learn how to connect your wireless device, please see the page on SU WPA2 Secured Wireless Setup Instructions.
- If you have difficulty using the University's wireless network in a particular location, please report the problem to the IT ServiceDesk by sending a message to servicedesk@suffolk.edu, or by calling 617-557-2000.

If you are interested in adding wireless service in a particular location, please contact the IT ServiceDesk by sending a message to servicedesk@suffolk.edu, or by calling 617-557-2000.