

High Speed Research Network

The University of Texas at San Antonio (UTSA) Office of Information Technology (OIT) has been awarded a 2-year, \$500,000 [National Science Foundation \(NSF\) grant](#) to boost its high-technology research network

UTSA will use the funding for the project, “The Roadrunner High-Performance Science, Engineering and Business Demilitarized Zone (DMZ),” to install 10-gigabit-per-second network switches in several research buildings on the UTSA Main Campus.

The new switches will increase network bandwidth from one gigabit-per-second to 10 gigabits-per-second and improve the speed of data transfer rates five to 10 times for as many as 1,000 network ports in select research laboratories.

Before purchasing any hardware, please contact [Brent League](#) to ensure your area will have DMZ capabilities.

Recommended Adapters for 10Gb Ethernet:

- **Apple:** Akitio T3TGAA0008Y000 T3-10G: (Thunderbolt3 to 10G Adapter with Intel Alpine Ridge + Aquantia AQC107S) Electronics
- **PC:** Intel Ethernet Converged Network Adapter X540-T1 or X550-T1

For more information: [UTSA Today: Cyberinfrastructure Grant](#)

For more information on how to get your lab(s) connected to the high speed network, contact Brent.League@utsa.edu

Timeline

Equipment ordered – 11/1/18 – **COMPLETE**

All equipment delivered to UTSA – 2/1/19 – **COMPLETE**

Equipment installation and configuration – 1% Complete

Validation and performance testing. – 9/1/19 - 10/1/19

Developing procedures to enable researchers to achieve the highest possible throughput on the high speed network, and training OIT Support Services staff to support – 10/1/19 – 11/30/19

Go Live Date! 11/30/19