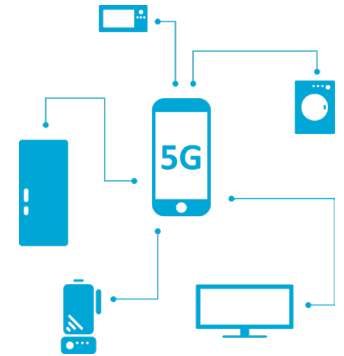




# 5G Technology

## What is 5G?

- The 5th generation of wireless technology
- Makes the Internet of Things (IoT) possible by connecting everything and everyone together
- Faster speeds up to 10-20 Gbps, lower lag times, more capacity, and better performance
- Uses high frequency radio waves to carry information through the air, requiring smaller and closer together transmitters



## Availability

- Increasing availability as the 5G network is being built
- Devices must be 5G capable, or require a software update
- Limited coverage areas— check with your provider

## Impact & Examples

- Ability to transform society across sectors
- Necessary for artificial intelligence, virtual reality, and machine learning technology to function
- Self-driving cars, drones, smart ambulances, robots, and holograms



## Concerns

- Privacy & security
- Disputed claims regarding health risks
- Placement of transmitters
- Safety of autonomous devices, legislation & liability

## Resources

- [5Gradar.com](https://www.5gradar.com)
- Resource library- <https://www.cisa.gov/5g-library>

