Does your business have the right bandwidth?

Assess whether you have the speed you need.

You've heard of "set it and forget it" — this is NOT what you want to do with your bandwidth, though many businesses do. In order to get optimal performance for your business it's important to do a regular assessment.

Assess your bandwidth needs using steps 1-3 below!

Step 1: Determine application usage
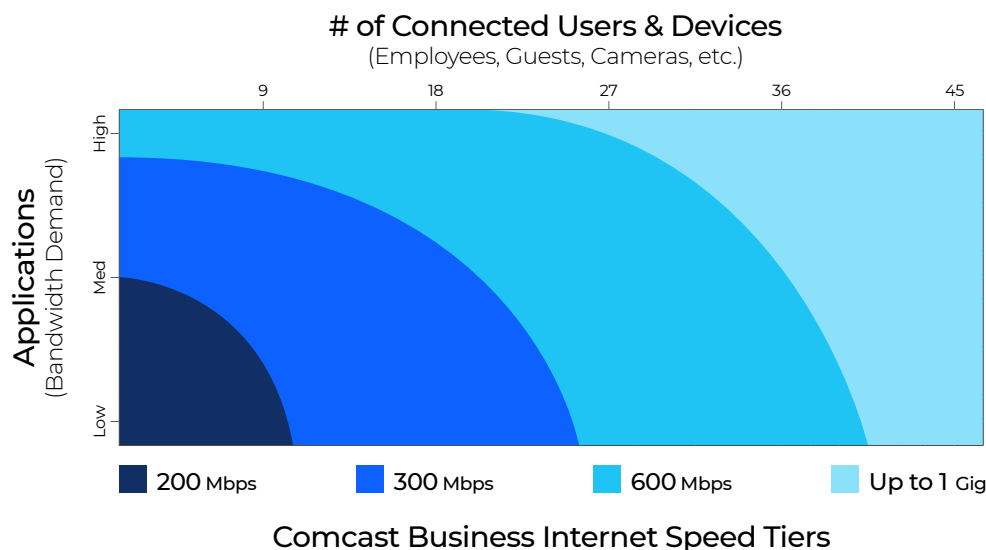
Check all that apply to your business:

E-Mail

Office Cloud Applications (Accounting software, Office365)

Employee WiFi

Customer WiFi

Web Based Cameras

Voice over Internet Protocol (VoIP)

Filesharing/Storage for:

Large PDFs

Large Images/Video

Firewall

VPN

Step 2: Determine average # of connected users and devices

Fill out the form below:

Number of users:

Employee(s)

Guest(s)

Total number of devices:

Computer(s)

Smartphone(s)

Camera(s)

Step 3: Check the chart to see your recommended speed

# of Connected Users & Devices
(Employees, Guests, Cameras, etc.)

Applications (Bandwidth Demand)

200 Mbps 300 Mbps 600 Mbps Up to 1 Gig

Comcast Business Internet Speed Tiers

Factors that impact your bandwidth.

There are many things that will cause your business to require a bump in bandwidth.

Customers love WiFi

Customers on your WiFi require between 0.5Mbps and 1Mbps to just browse the web. The more customers devices connected, the less bandwidth for your business.

Connecting more devices

There will be more than 55 billion Internet of Things (IoT) devices by 2025, up from about 9 billion in 2017.[1]

Higher resolution cameras

Cameras that provide high resolution recordings, need more bandwidth than low resolution cameras. For instance, a 6MP security camera requires more bandwidth than a 3MP camera.

Video conferencing

A one-on-one video call can exceed 1.2Mbps, but as group size increases, this goes up exponentially.

Streaming HD video

Streaming requires significant bandwidth. For HD-quality playback, 5Mbps is recommended, and for Ultra HD (4K) quality, 25Mbps is recommended.[2]

1. Business Intelligence, The Internet of Things 2018
2. https://www.dallasnews.com/business/technology/2016/12/23/how-much-bandwidth-do-you-need-to-stream-tv-reliably/