



pSC Fiber Internet

What to expect in your fiber Internet speed.

To gain the highest overall speeds from your PSC fiber connection, please read the info below.

Charts below explain average speed capabilities based off device age and wireless standard chips.

MOBILE DEVICES (connected via Wi-Fi)

Release date	Wireless standard	Maximum possible speed
2020-present	802.11ax*	400Mbps-800Mbps
2013-present	802.11ac	180Mbps-450Mbps
2011-2012	802.11n	90Mbps
2007-2010	802.11n	32Mbps -90Mbps
2006 or earlier	802.11a/b/g	32Mbps

In theory, the latest wireless standards are said to give consumers gigabit speeds. *This is not accurate.* In day-to-day life, these speeds are tested well below 300Mbps due to various factors affecting performance.

Examples of these factors are below:

Distance & placement of wireless router Slow connection speeds occur when your device is far away from the router. The router should be set upright, never enclosed in a cabinet and centrally located within your home to achieve optimum speed.

Construction of your home The building materials, such as thick masonry and metal framing, may reduce your wireless signal strength thus effecting your overall speed.

Interference from other wireless networks or devices

Other devices utilizing your wireless network can affect speeds, such as: microwaves, cordless phones, baby monitors, Bluetooth devices, wireless mice, fluorescent lights, and wireless surveillance cameras.

Equipment Each of your wireless devices likely use different types of network equipment. To reach speeds more than 100Mbps your equipment will need to meet at least the **802.11ac** wireless standard.

COMPUTERS (connected via Wi-Fi)

Release date	Wireless standard	Maximum possible speed
2020-present	802.11ax*	500Mbps-850Mbps
2013-present	802.11ac	195Mbps-585Mbps
2011-2012	802.11n	180Mbps-270Mbps
2007-2010	802.11n	90Mbps -180Mbps
2006 or earlier	802.11a/b/g	32Mbps

COMPUTERS (connected via Ethernet)

Release date	Ethernet connection	Maximum possible speed
2015 or later	Ethernet adapter	930Mbps
2010-2014	Ethernet adapter	400Mbps
2009 or earlier	Ethernet connector	100Mbps

REMEMBER...

Older hardware (routers and mobile devices) will **NOT** be compatible with a 1Gb Internet connection.

Steps that can help achieve a greater bandwidth speed:

- **Setting up a quality wired connection to your router.**
- **Ensuring your router supports the latest Wi-Fi standards.**
- **Configuring your Wi-Fi router to use the 5Ghz channel**
- **Performing firmware updates on your Wi-Fi router**

Due to numerous factors, bandwidth speed will fluctuate. That's why providers, like PSC, say "UP TO" 1Gb or a certain speed.

*802.11ax speeds not yet thoroughly benchmarked & equipment limited.

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