

## Upstream Fibre



### HOW IT WORKS

By definition, fibre is a single strand of glass thread that transmits data at the speed of light. It is the fastest possible vehicle to transmit data today.

### WHY CHOOSE FIBRE

Fibre optic technology is future-proof, meaning no matter how great the service needs of media become, fibre optic networks can be upgraded continuously to maintain the highest levels of performance.

Our users enjoy streaming 4K content, high-intensity gaming, live-streaming video, and their 1 telecoms. With Fibre, the technology of tomorrow is no longer a troubling question of 'What If?'

Unlike wireless connections or copper lines which can be prone to downtime and are vulnerable to security breaches, your data is safe with fibre cable. It doesn't radiate signals and is almost impossible to breach. If the cable is breached, it's very easy to monitor because the cable leaks light, causing the entire system to fail. If an attempt is made to break the physical security of

your fibre system, it will be readily apparent. Fibre networks also enable you to put all your electronics and hardware in one central location, instead of having wiring closets with equipment throughout the building.

It's hard to imagine a business today that doesn't need its Internet service to be as reliable as possible. Thankfully, the way that fibre lines and switches work means that uptime is nearly constant.

Fibre is independent of services delivered over the network based on the copper-based technology that you are likely used to. Simply put, glass is more reliable as a data conduit than copper, which means that fibre is at far less of a risk of disconnects and downtime than services delivered by the ILEC or Cable company. Fibre provides extremely reliable data transmission. It's completely



## FIBRE PACKAGES

### Up to 5Mbps

- Light streaming
- Stream, download shows
- Download music/photos
- Good for up to 5 devices at a time

### Up to 10Mbps

- Multi-device streaming
- Download shows quickly
- Download large files
- Good for up to 8 devices at a time

### Up to 20Mbps

- Download shows in seconds
- Multi-device HD streaming
- Good for multi-player gaming
- Download large files
- Good for up to 12 devices at a time

The speed of data, as it travels from the Internet to your computer, is measured in megabits per second (Mbps). Different activities require different speeds

### Up To 50Mbps

- Download shows in seconds
- Multi-device HD streaming
- Good for multi-player gaming
- Download large files
- Good for up to 15 devices at a time

### Up To 100Mbps

- Heavy usage activities
- Extreme speed
- Great for multiplayer gaming
- Good for up to 20 devices at a time

## ADVANTAGES OF SWITCHING

The more office buildings that are connected to fibre, the more the fibre network spreads, making it simpler and less expensive to upgrade. The closer existing fibre lines are to your facility, the more affordable it is to get fibre connected. If fibre is available, you should strongly consider taking advantage of a move to fibre.

Any move has the potential to impact the way you connect to cloud-based services, your remote servers, and the web in general, and should be handled with care.

To complicate things further, you may be

satisfied with the dependability, bandwidth and speed you're currently getting with your DSL or cable modem connection, or you might have heard some outdated or otherwise misleading information about how fibre works.

Let's make this decision a bit easier on you by taking a look at some of the key advantages associated with upgrading to fibre.

## MINIMAL LATENCY

Indeed, fibre Internet provides you with far faster cloud access than any other type of connection. Your upload and download speeds will, of course, be much faster thanks to fibre's symmetric speeds, but you'll also have less to worry about latency, and lower latency via fibre means that information packets are sent that much more quickly and reliably over the network.