FIBRE

FIBRE INTERNET

| Lightning Fast Internet

GPON vs Dedicated Fibre

GPON (Gigabit Passive Optical Network) is a high speed, low cost fibre option available to the home market. It is a point-to-multipoint access network. A single fibre serves multiple homes. Upstream and downstream data is shared amongst users.

Dedicated Fibre or FFTb (Fibre to the Business) is a high speed, guaranteed fibre connection. Dedicated fibre is designed for the commercial market. Symmetrical service (upload and download speeds are equal), guaranteed uptime, true dual synchronous fibre link, unlike GPON.

MetroFibre / Metro Connect

Dedicated Business Fibre.
Lightning fast connectivity and guaranteed service availability.

Connect your organisation and branches with Metro Ethernet, guaranteed uptime, uncapped.

Choose Broadband Fibre, Broadband Fibre and Data Combo, Capped or Uncapped.

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Benefits and Limitations

Metro Benefits

- Uncapped service, no out-of-data limits
- Truly symmetrical service, upload as fast as you download
- Fully supports speeds over 1Gb
- Broadband Internet
- 1:1 internet breakout
- 99.99% Uptime
- Fixed IP for onsite services
- Flexible. Ability to separate services and add individual features with your own switches and routers
- True dual synchronous fibre link, unlike GPON or FTTx
- SLA and MTTR. Service is guaranteed to stay up and running and repairs are made within hours to minimize downtime
- QoS and CoS. Prioritize critical data like voice and video
- Metro Connect Point to Point
- Metro Realtime (mission critical applications like VoIP)
- Future-proofed. Ability to scale your connection in the future
- Ability to utilize Layer 2 and MPLS networks (multi locations, L2 to offsite backup, direct connection to cloud providers, etc.)

Metro Limitations

- More expensive to implement
- Not always available in rural locations
- Potentially longer rollout times

GPON Benefits

- Faster speeds at a relatively cheaper price point
- Often quicker to implement
- Flexible installation

GPON Limitations

- Passive, no full control of bandwidth allocation
- Not truly symmetrical. GPON has slower upload speeds
- Difficult to update and scale if your business needs more bandwidth in the future
- No Quality of Service (QoS) or Class of Service (CoS), unable to prioritize critical data
- No SLA or MTTR. Servicing could take days instead of hours
- Less secure when all subscribers' data is sent over the same connection
- Scattered connections make it difficult to pinpoint failures
- Speeds can slow down during peak usage times
- Cannot support speeds over 100M