Fiber GPON
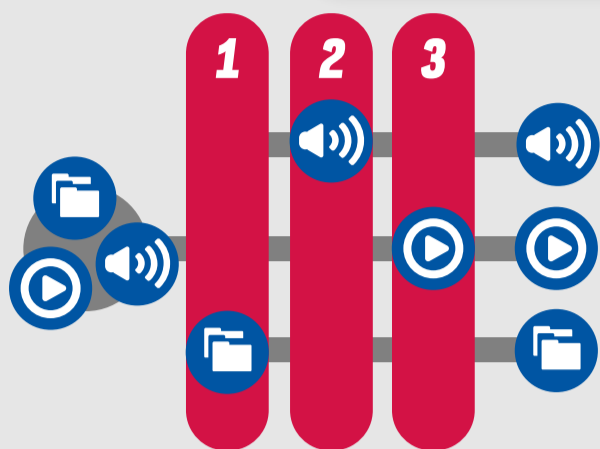## Gigabit Passive Optical Network

VS

Fiber EPON
Ethernet Passive Optical Network
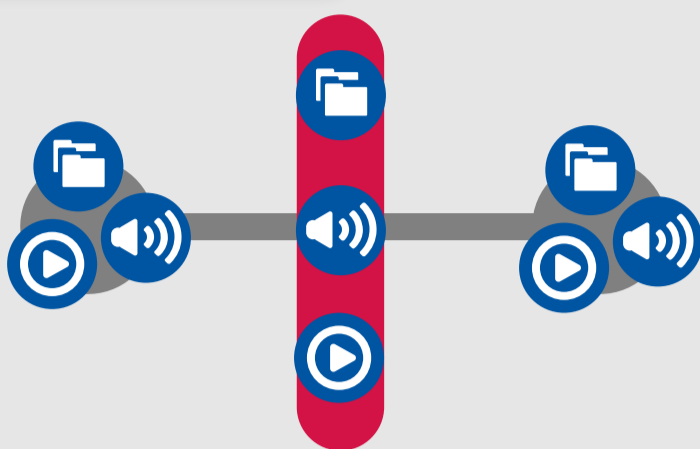
Some Key Terms
PON = Passive Optical Network

Key Difference

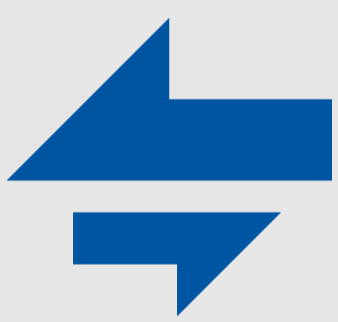GPON separates data, voice and video onto three different network layers

GPON can provide a higher level of service quality for each type of communication

EPON unifies data, voice and video onto a single network layer

EPON provides seamless connectivity utilizing Ethernet devices

Bandwidth Difference

GPON bandwidth will vary downstream versus upstream

EPON bandwidth will be symmetrical - the same downstream and upstream

Reach & Splits Difference

12.4 miles without running through an optical link

12.4 miles without running through an optical link

GPON supports up to 128 optical network units through one optical line terminal

EPON supports 32 to 64 optical network units through one optical line terminal

Installation

GPON requires the installation of new equipement

EPON utilizes Ethernet technology

Contact your local fiber provider to learn more about the options available to your business.

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