

# Spotlight on A PON Rollout in 2022

by Ian Spindler, Sales Director for Cherry & White



**The expansive rollout of fibre networks throughout the UK is becoming an ever more challenging experience. What protocol should be deployed?**

**These are some of the views observed by Ian Spindler, Sales Director for Cherry & White**



## Why GPON?

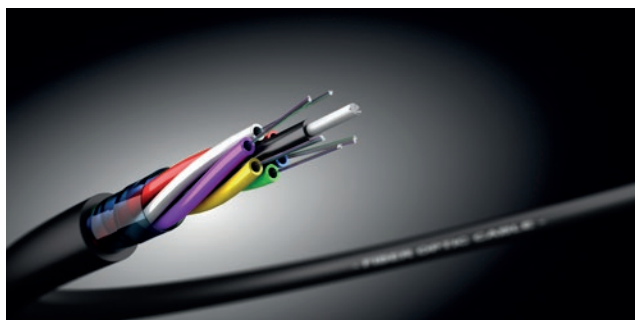
With around half of households within the UK on speeds under 50Mbit/s GPON offers an extremely attractive business model. From being good value to deploy to the extremely attractive gigabit speeds, GPON networks are an affordable network architecture that can be built now and still have expansion for the future.

## So it's affordable. Anything else?

GPON's point to multipoint architecture allows the fibre to be split up to 64 times per line, which positions GPON as an attractive replacement for traditional copper networks. There is no need to fork out on a pricey management platform either, it can all be managed directly from the OLT (Optical line terminal).

## How fast can I really deploy?

Lead times across the telecoms industry are breaking new records, rolling out a full-fibre network can seem a challenging at best, frightening to emerging ISP's. With good supply and deployment partners, it is absolutely possible to deploy a GPON network in less than two months.



Optical cables and ducting available from stock reduces deployment ramp-up and shortens the time to recognise revenue.

## Is it future proof?

The beauty of a GPON rollout is that the equipment and passive infrastructure is capable of far surpassing gigabit speeds from the start. Besides, once ducts are in the ground new lines can be blown with ease to reduce the split and increase speeds.

## But XGS-PON is faster right?

Correct, XGS-PON offers faster speeds of up to 10Gbps, but has an accompanying price tag that is currently unjustifiable for the large majority of new ISP's. As the market matures and the supply chain settles it is inevitable its reach will grow. Luckily for GPON designs, you can carry both XGS and GPON across the same fibre providing a perfect upgrade route down the line.

## What about the price?

Now that the gap between copper and fibre optic cabling has become so narrow it has never been a better time to deploy. With the added benefit of lower power consumption in the long term - with lasers being so much lower than needed for copper - the short-term price makes more sense to operators.



For more information, see [www.cherry-white.co.uk](http://www.cherry-white.co.uk)