

3.1 TDM-PON

A TDM-PON provides all ONUs with the same wavelength pair (one downstream and one upstream) over a single fiber. This provides virtual P2P links to each ONU over a P2MP media by multiplexing data to each ONU in both directions in time. Hence the term TDM-PON. A TDM-PON has a single scheduling domain. Most PONs deployed to date, including 1G-EPON and 10G-EPON, fall into this category.