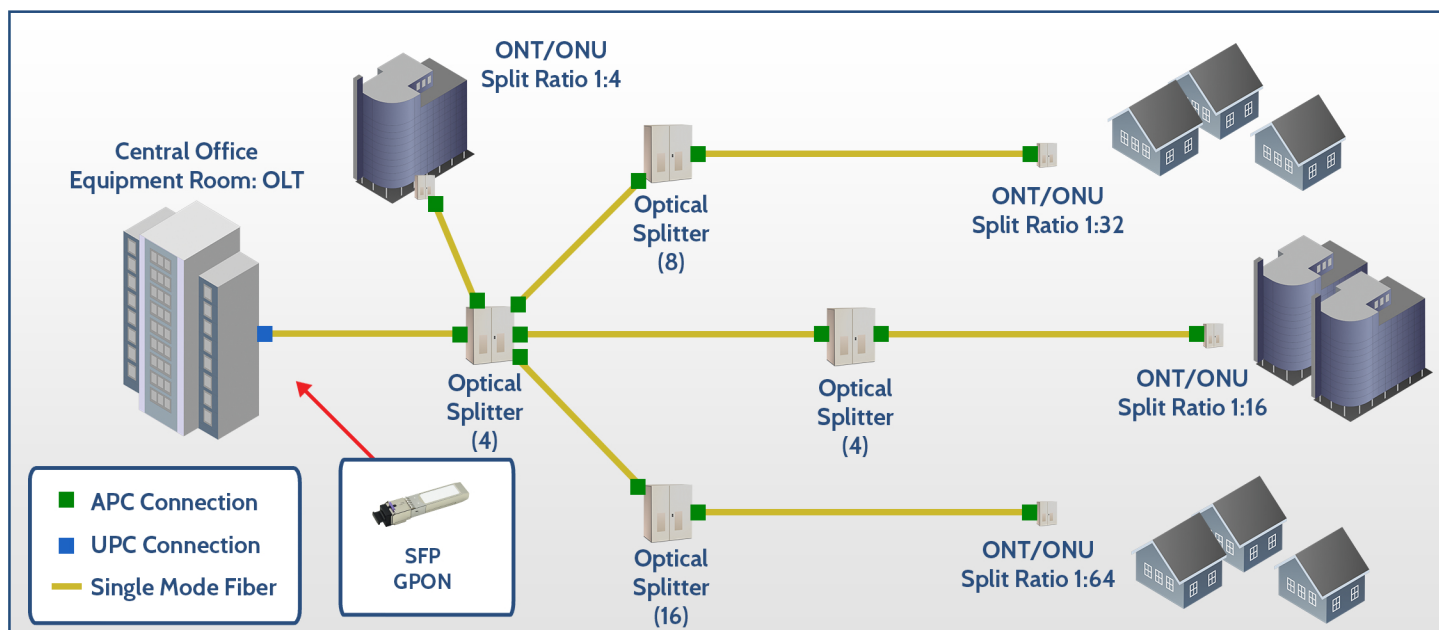# GPON Leads the Way in Cable and Telco Networks

The demand for GPON is stronger than ever before. According to a recent Dell'Oro Goup report "PON market will grow to over $7 billion by 2022." The anticipated growth is attributed to the increase of FTTx activity (GPON) as well as Next Generation PON being introduced for different network scenarios such as Mobile backhaul and fronthaul. GPON will continue to be the dominant technology for residential broadband services as it's the most cost effective FTTx solution and delivers higher speeds (2.5G) than its SFP counterparts.



The diagram above depicts a basic FTTX PON application. Typically, GPON transceiver modules are only found at the Central Office in OTL equipment, where 2.5G broadband services are delivered on a down-link to the end-customers. In the rare case that an OEM equipment manufacturer calls for a pluggable GPON transceiver module at the ONT or ONU, it would be an up-link module (1310nm TX / 1490nm RX) to match the bidirectional wavelengths from the GPON located at the central office.

| OEM Brand | OEM Part ID | Compatible Part ID | Compatible Part ID Description | Availability |
|---|---|---|---|---|
| Calix | 100-01782 | SFP-GPON-B+-OLT | SFP-BXD-2.5GTX/1GRX-1490TX/1310RX-SC-SM-DOM-COM-GPONB+ | In stock |
| Calix | 100-01161 | | | |
| Calix | 100-01784 | | | |
| Calix | 100-01783 | SFP-GPON-B+-OLT-I | SFP-BXD-2.5GTX/1GRX-1490TX/1310RX-SC-SM-DOM-IND-GPONB+ | In stock |
| Calix | 100-01836 | | | |
| Calix | 100-04200 | | | |
| Calix | 100-02582 | | | |
| Adtran | 1442530G1 | SFP-GPON-C+-OLT-I | SFP-BXD-2.5GTX/1GRX-1490TX/1310RX-SC-SM-DOM-IND-GPONC+ | In stock |
| Adtran | 1442540F1 | | | |
| Calix | 100-04434 | | | |