

Comunicación de datos

GPON/FTTH

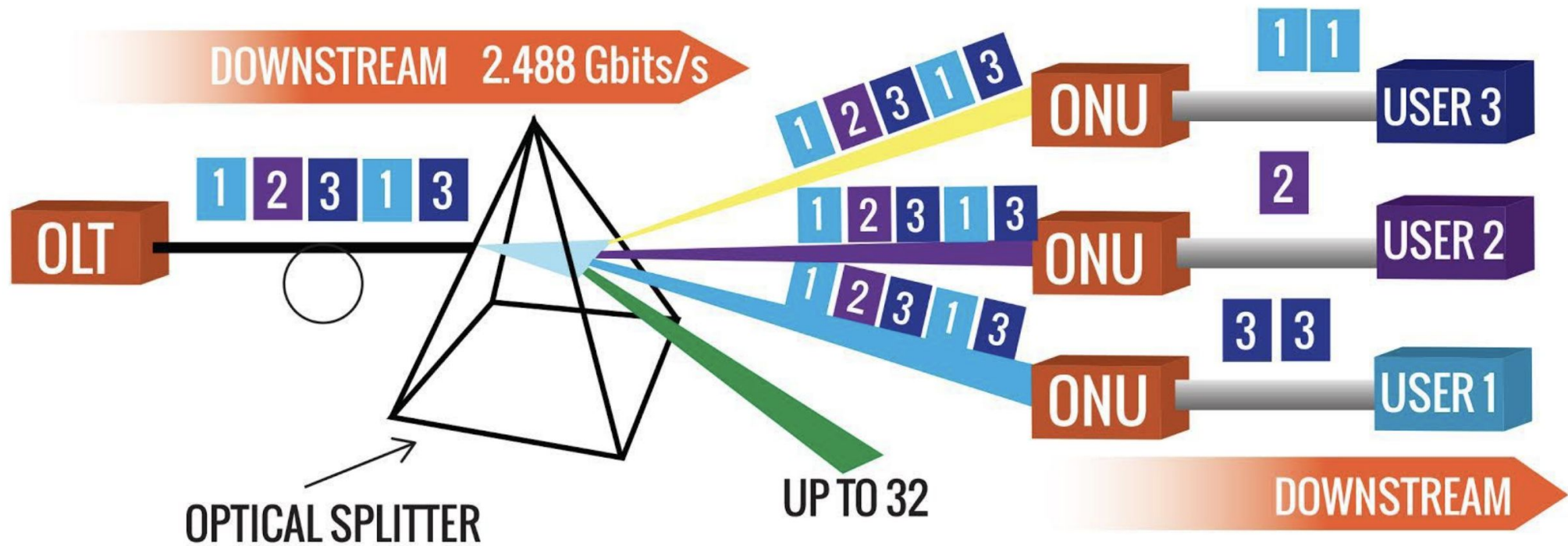


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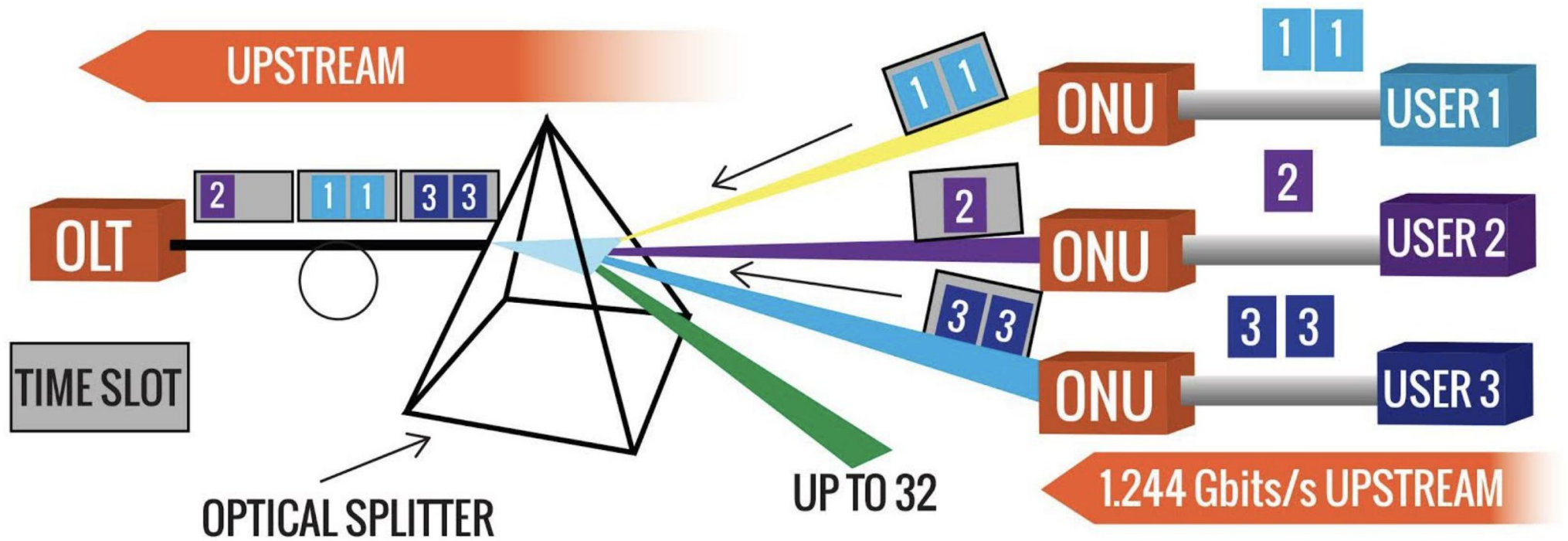
Conceptos

- .GPON: Gigabit **P**assive **O**ptical **N**etwork
- .FTTH: **F**iber **t**o **t**he **h**ome
- .Usa multiplexación TDM para downstream
- .OLT : Optical Line terminator
- .ONT/ONU: Optical Network Terminal/Unit
- .WDM Longitudes de onda usadas:
 - . 1490nm para downstream
 - . 1500nm upstream
- .Bucle de abonada de hasta 20Km sin alimentación

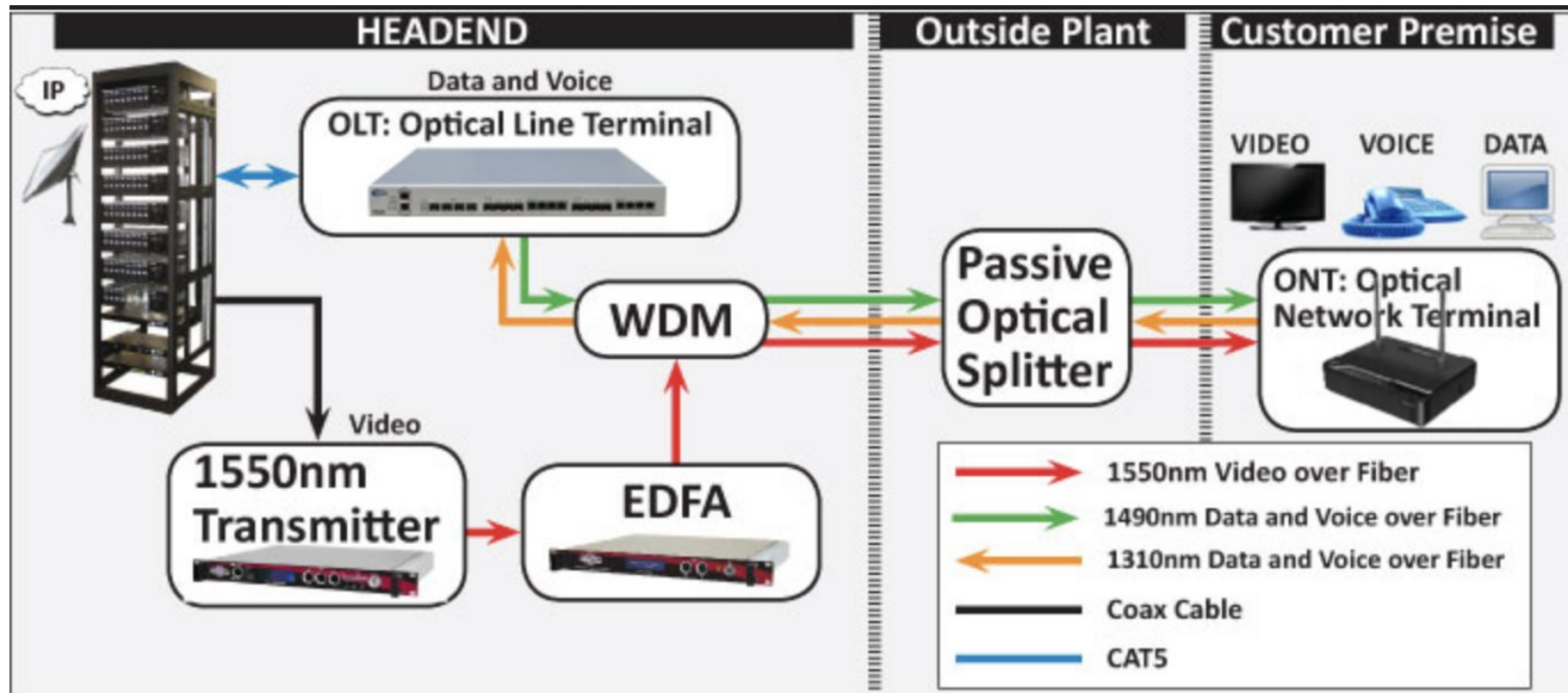
Downstream

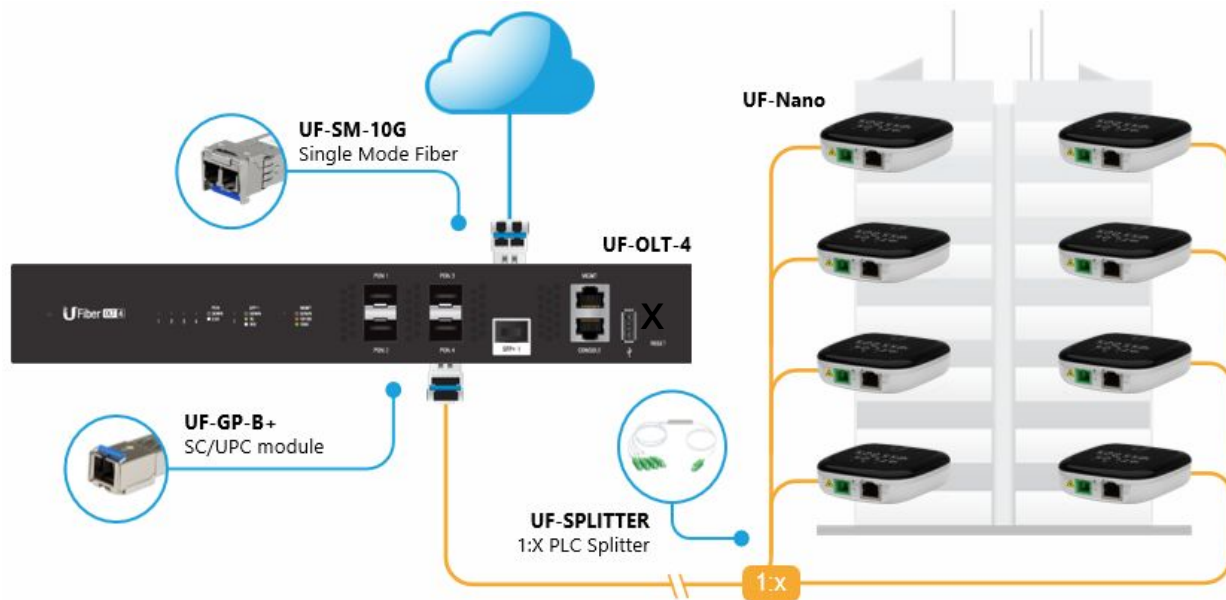


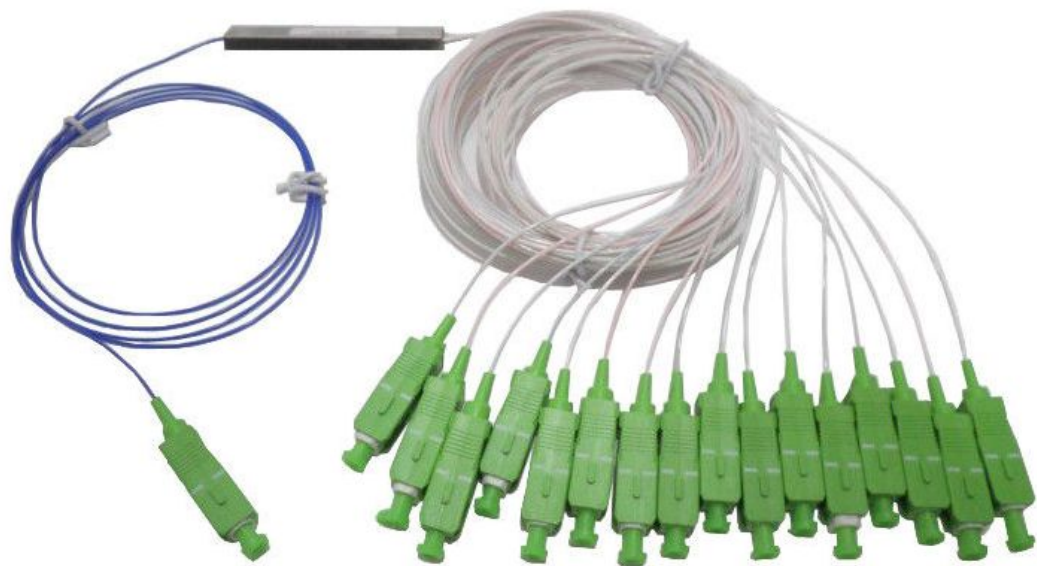
Upstream

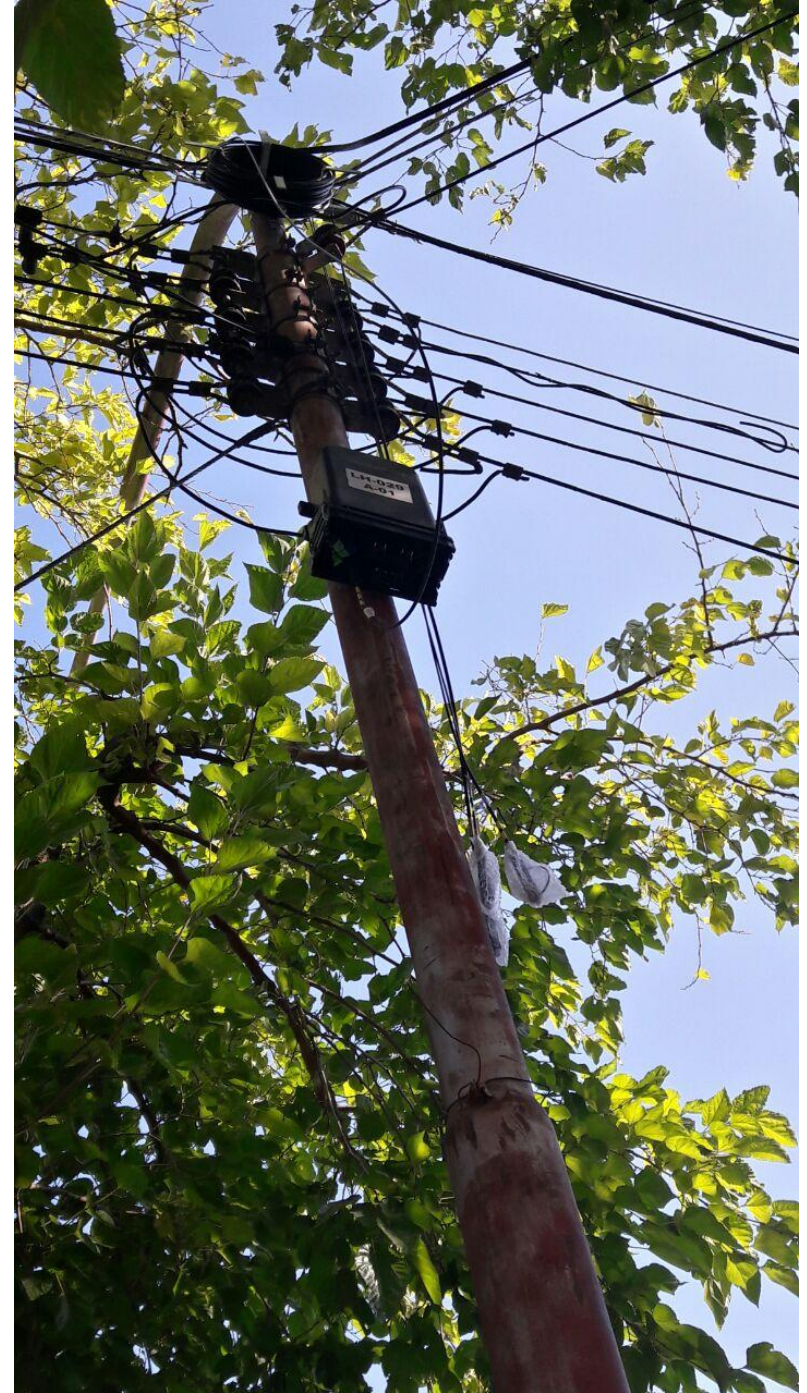


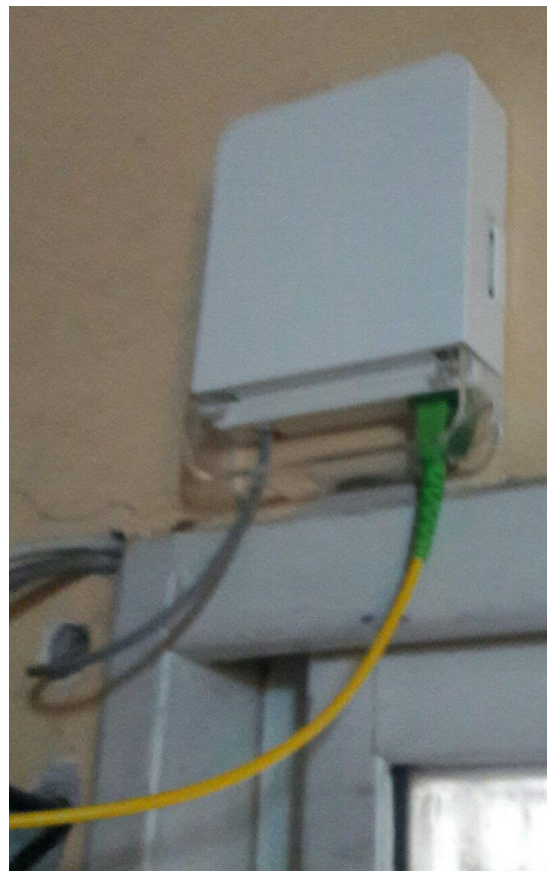
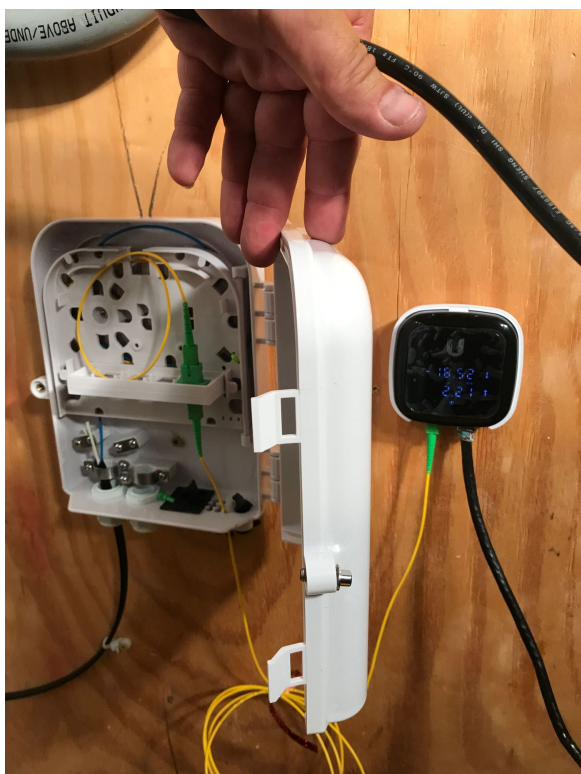
Esquema de funcionamiento



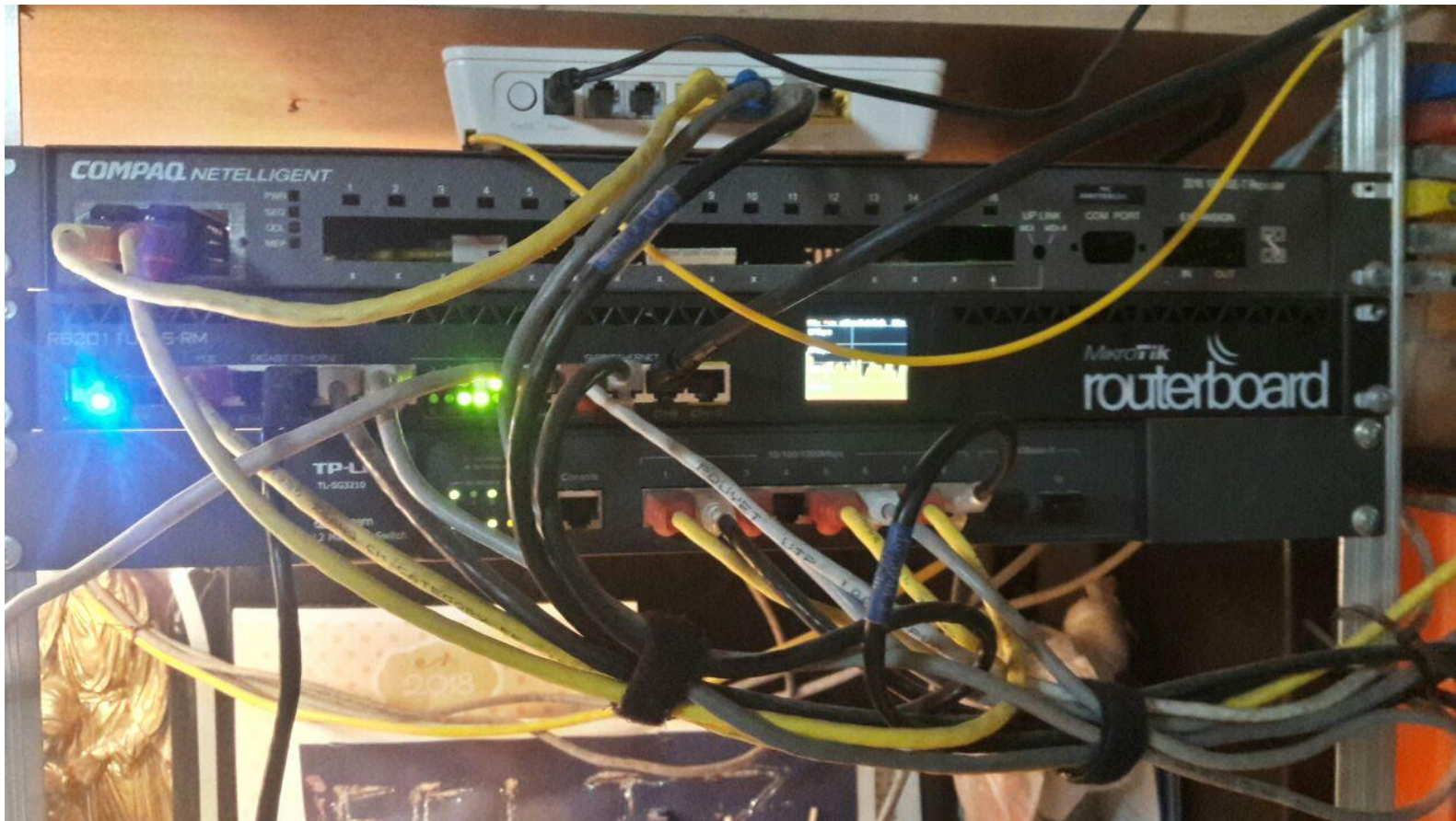








Rack ad-hoc :)



FIN