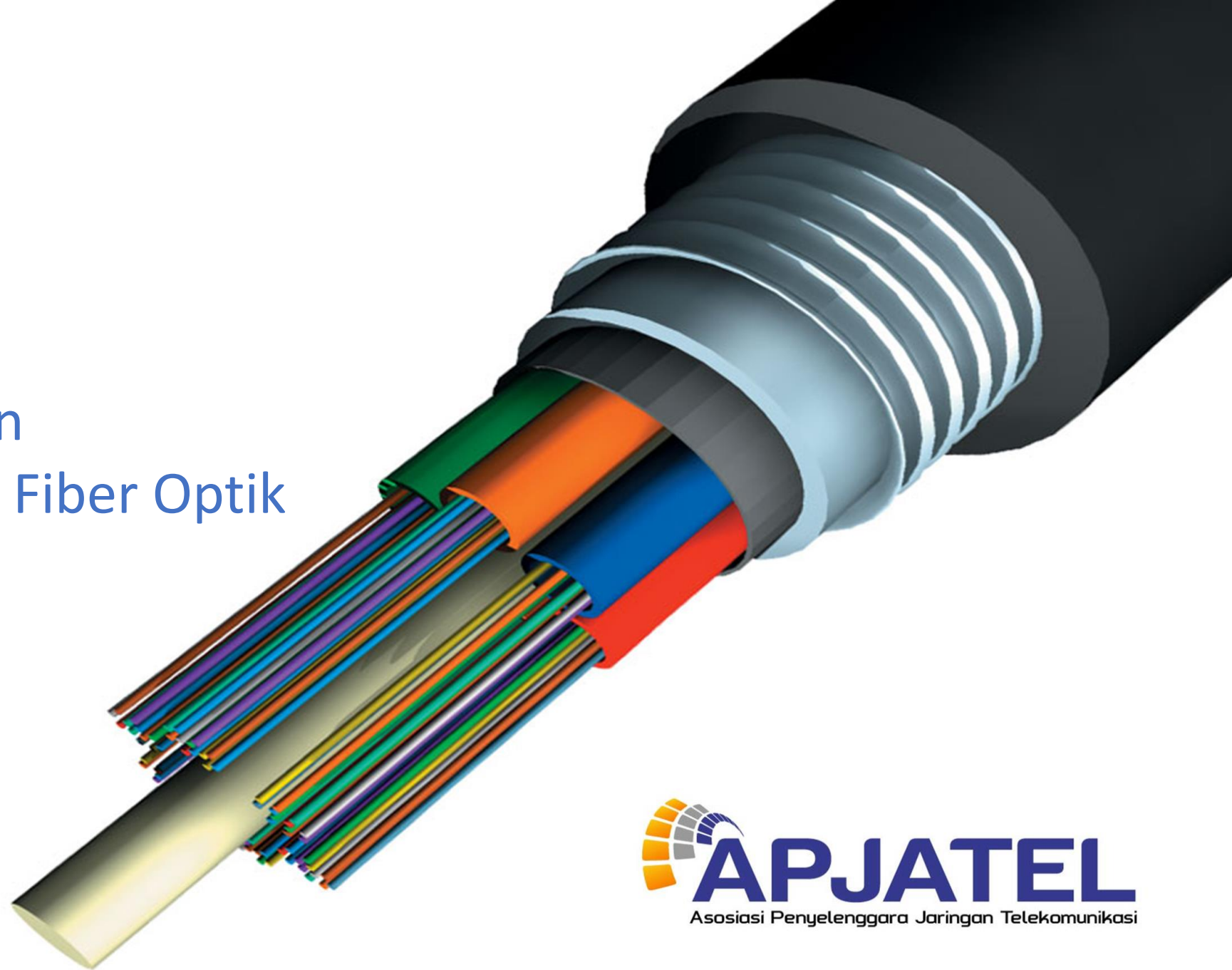


Pengenalan Konsep Jaringan FTTx Fiber Optik



Konsep

PTMP

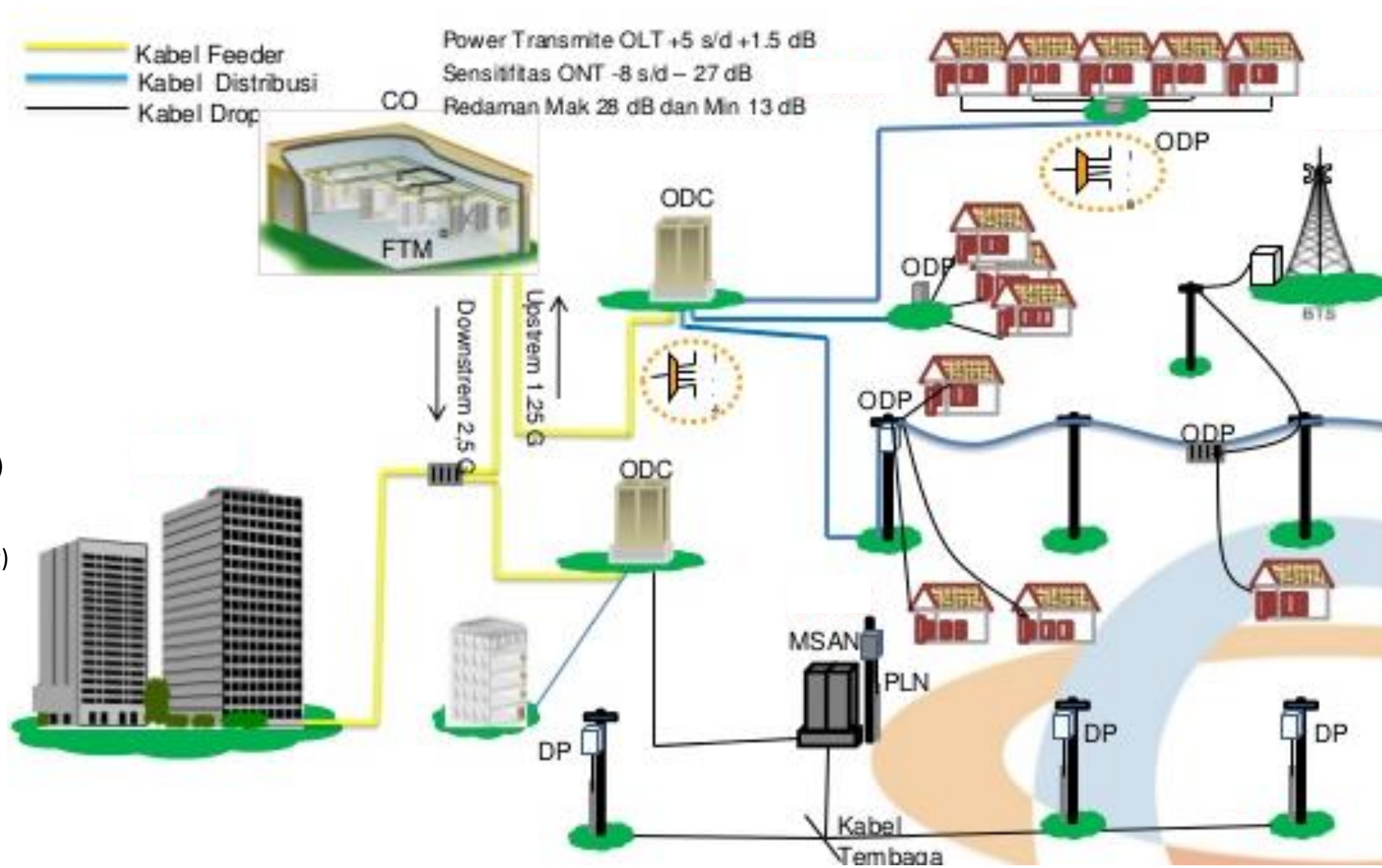
PTP



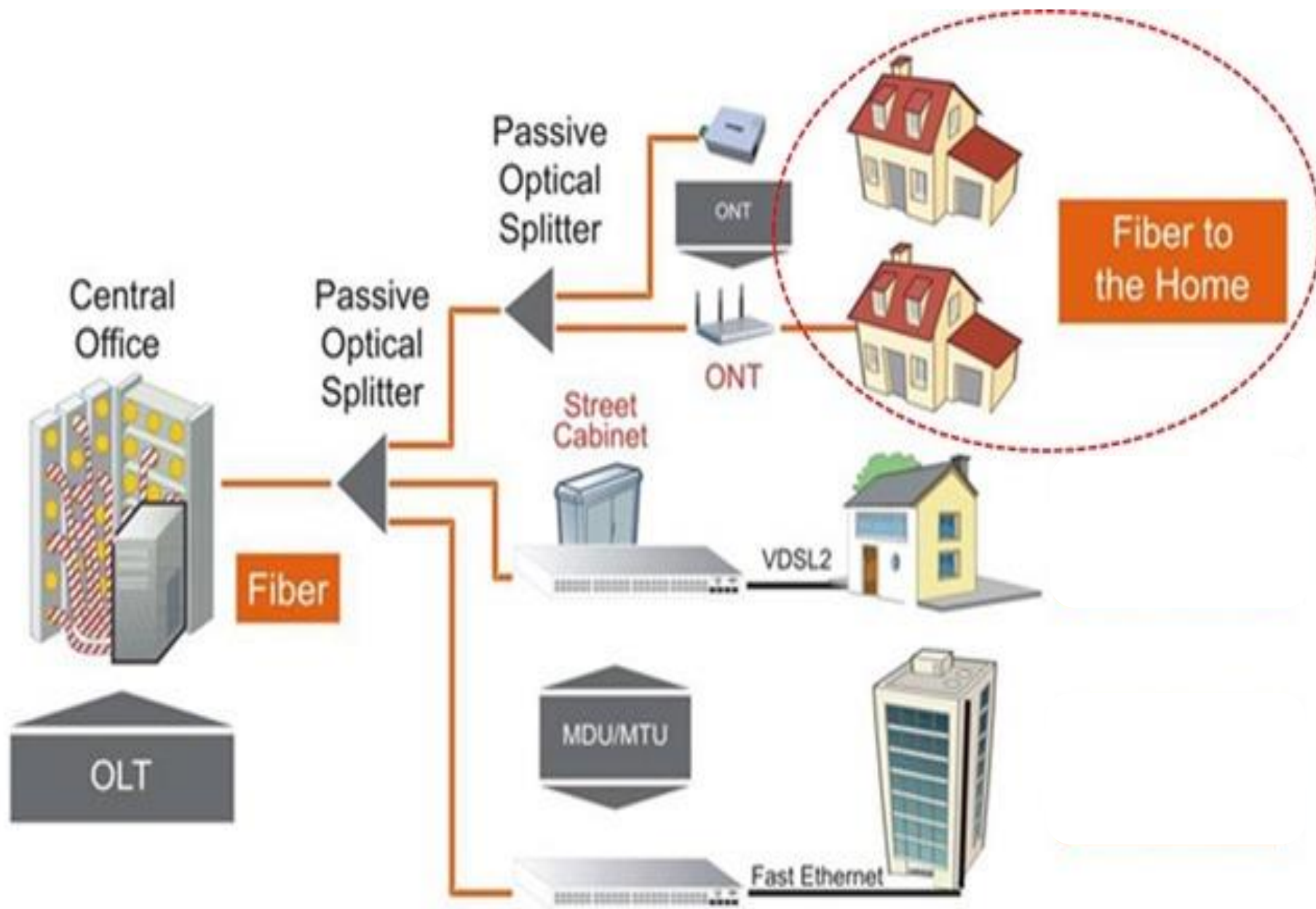
FTTx

FTTX ???

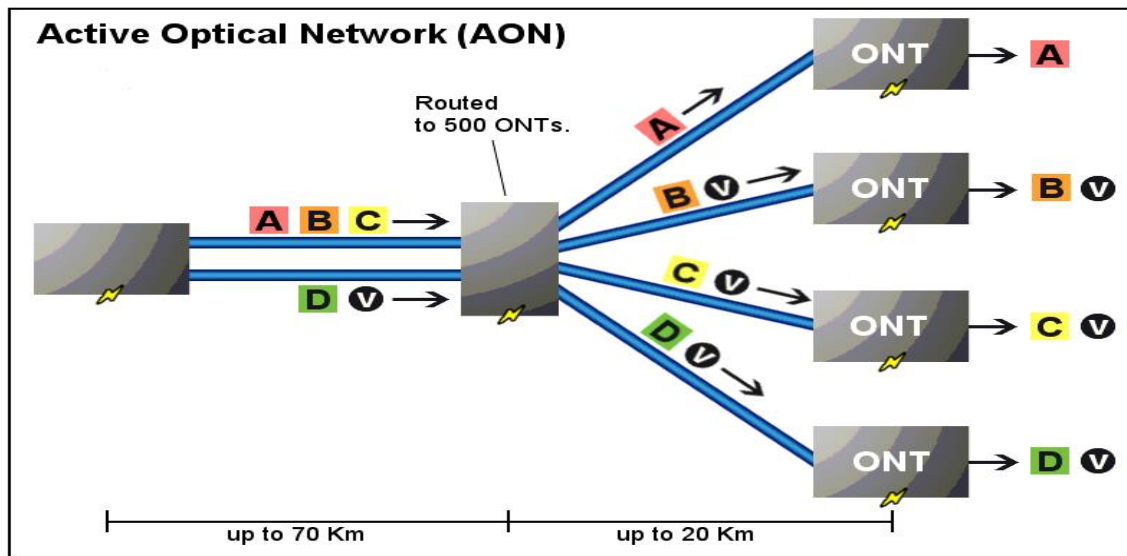
- ☐ FTTN (Fiber-To-The Node)
- ☐ FTTC (Fiber-To-The-Cabinet)
- ☐ FTTB (Fiber-To-The-Building)
- ☐ FTTH (Fiber-To-The Home)
- ☐ FTTP (Fiber-To-Premises)



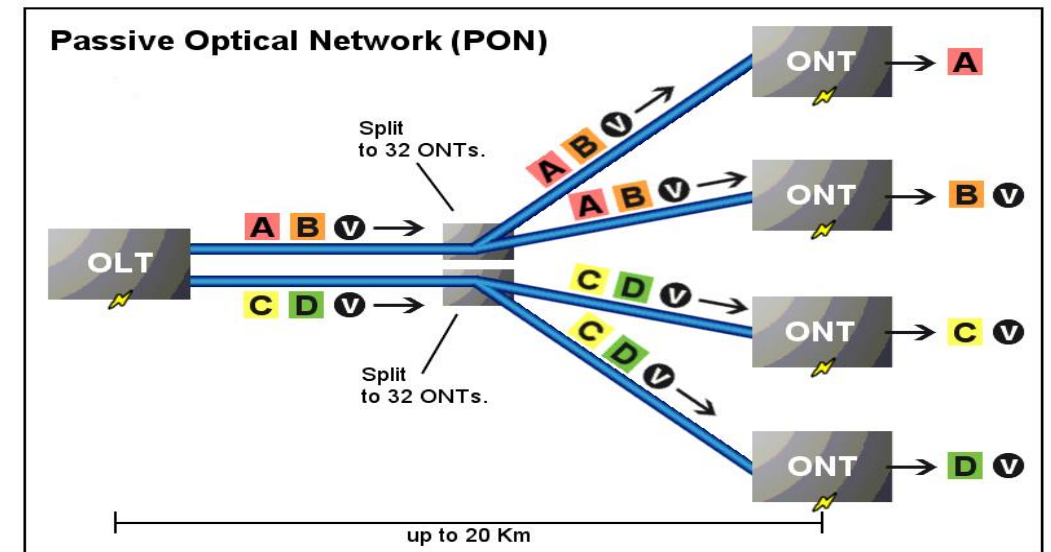
FTT Home



Distribusi Access Network FTTx

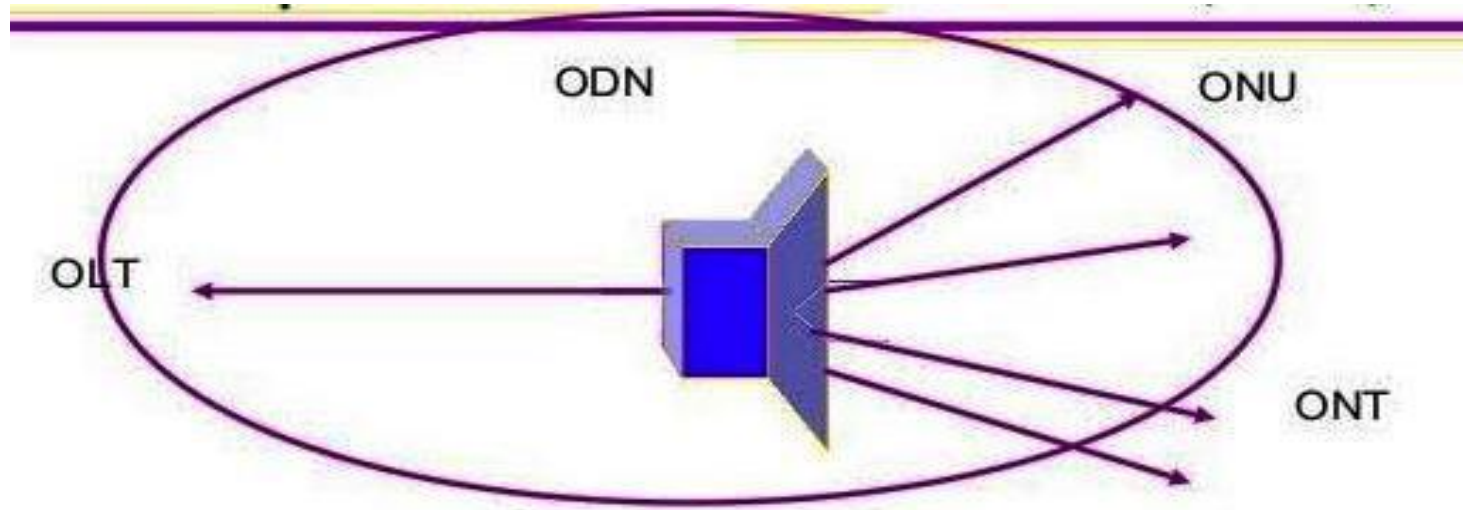


AON (Active Optical Network)



PON (Passive Optical Network)

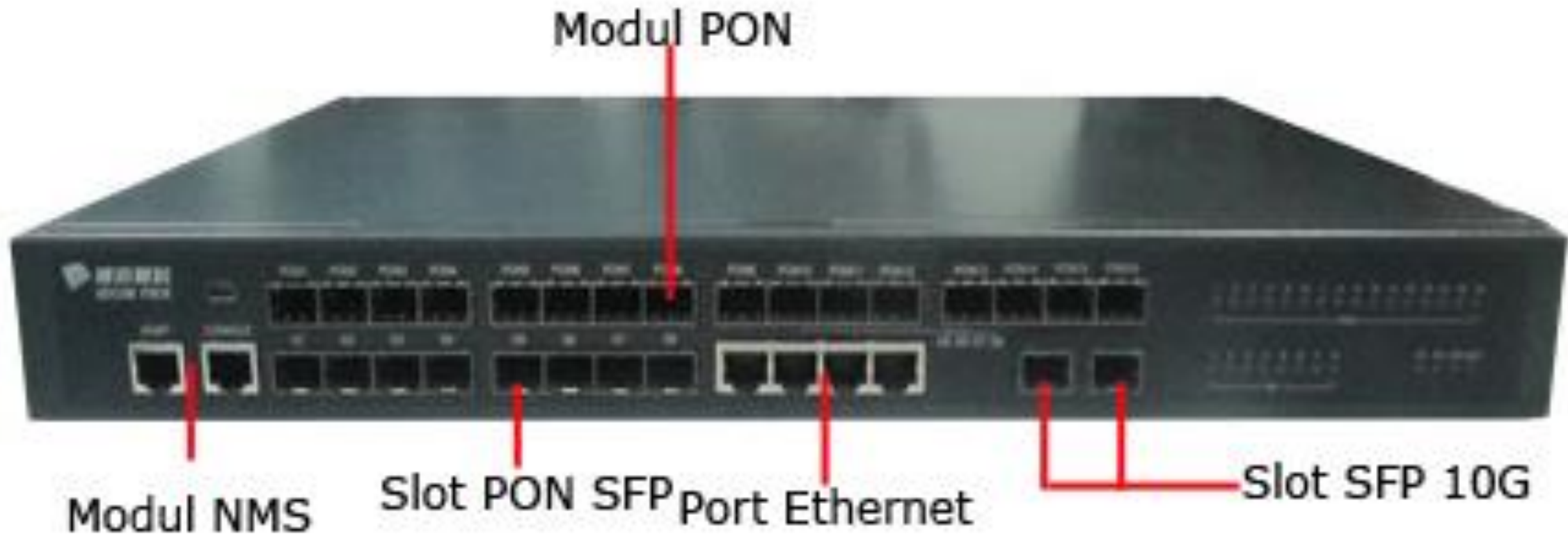
Konfigurasi Network PON (Passive Optical Network)

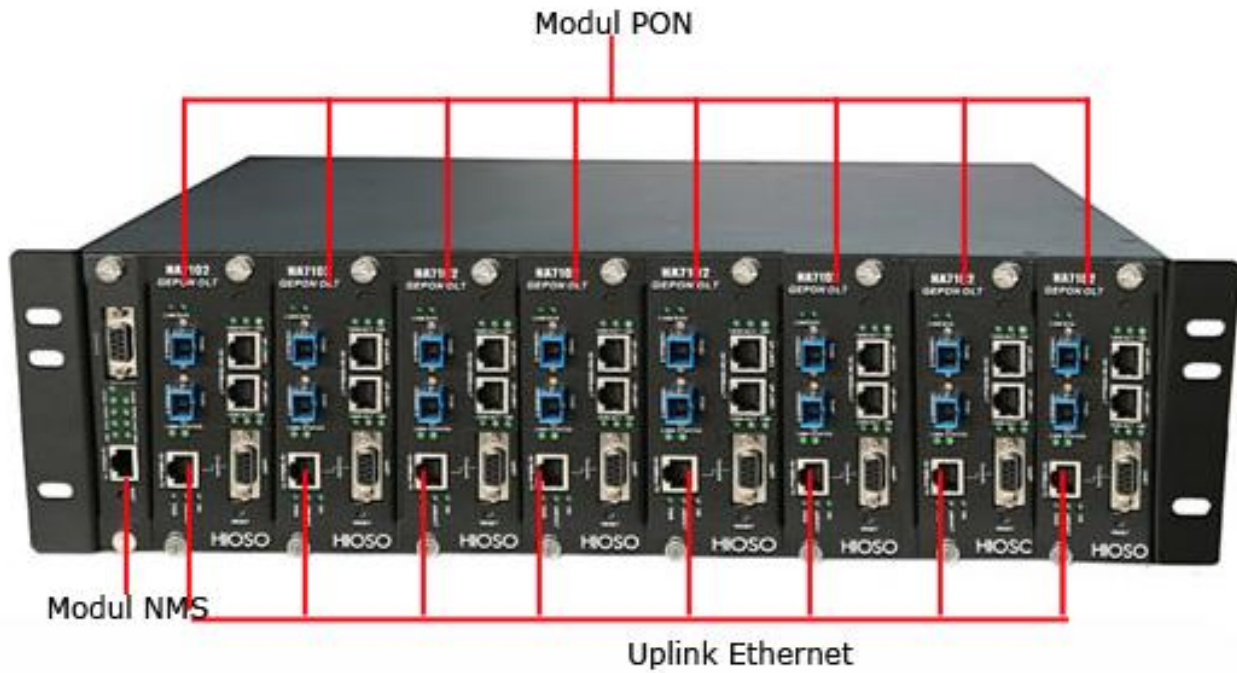


OLT (Optical Line Terminal) dan ONU (Optical Network Unit)

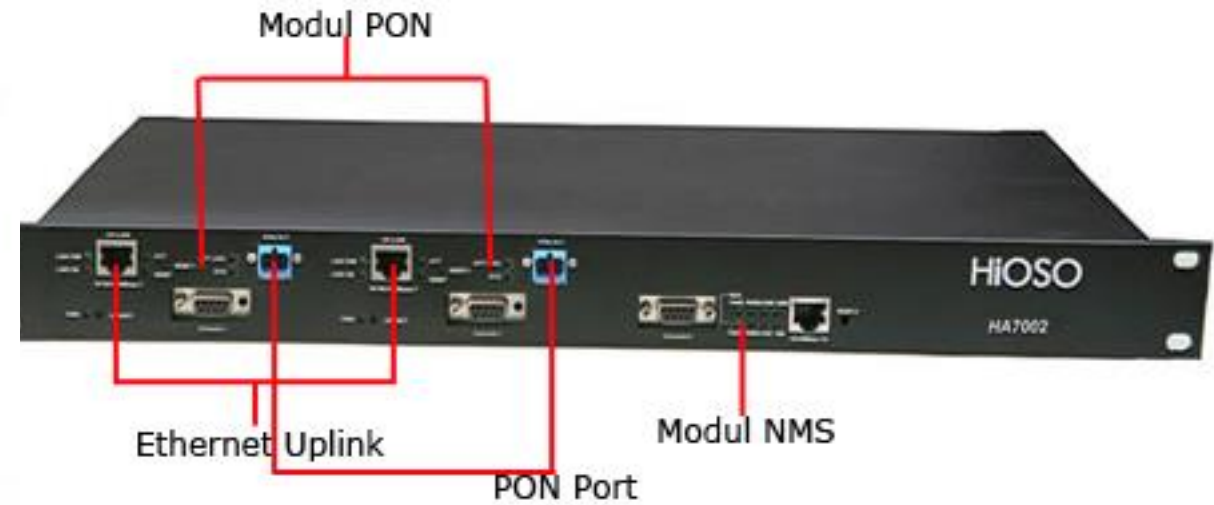
1. Bekerja pada Layer 2 OSI
2. OLT Sebagai Multiplexer & Mengubah Elektrik menjadi Optik. Menyediakan Interface antara sistem PON dan Service Provider (data/video/voice)
3. ONU adalah CPE dari sistem PON
4. OLT Terdiri dari Modul PON dan Modul NMS (Network Management System)
5. Modul PON Terdiri dari PON dan Ethernet/SFP

OLT (Optical Line Terminal) <> ONU (Optical Network Unit)



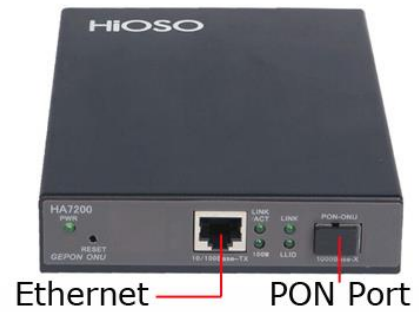


OLT Ukuran 3U



OLT Ukuran 1U

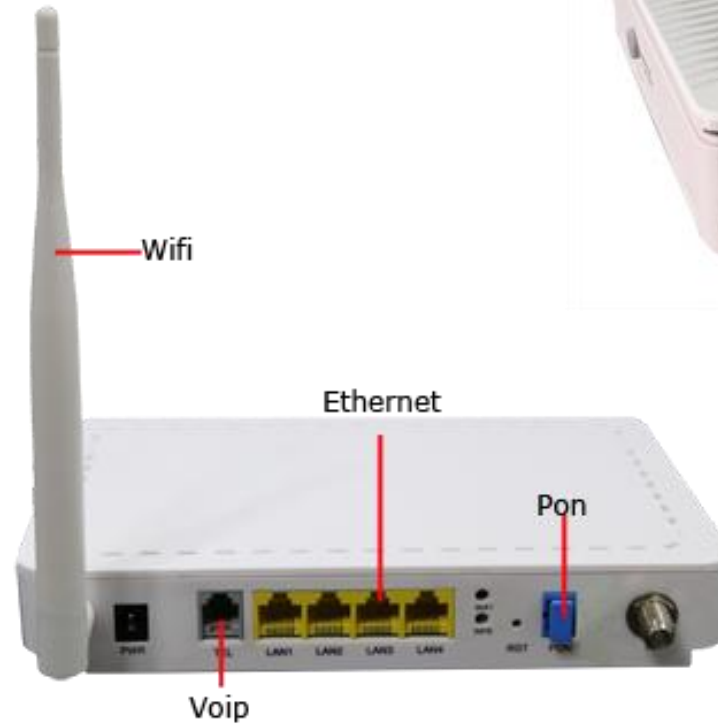
ONU (Optical Network Unit)



ONU 1 Port



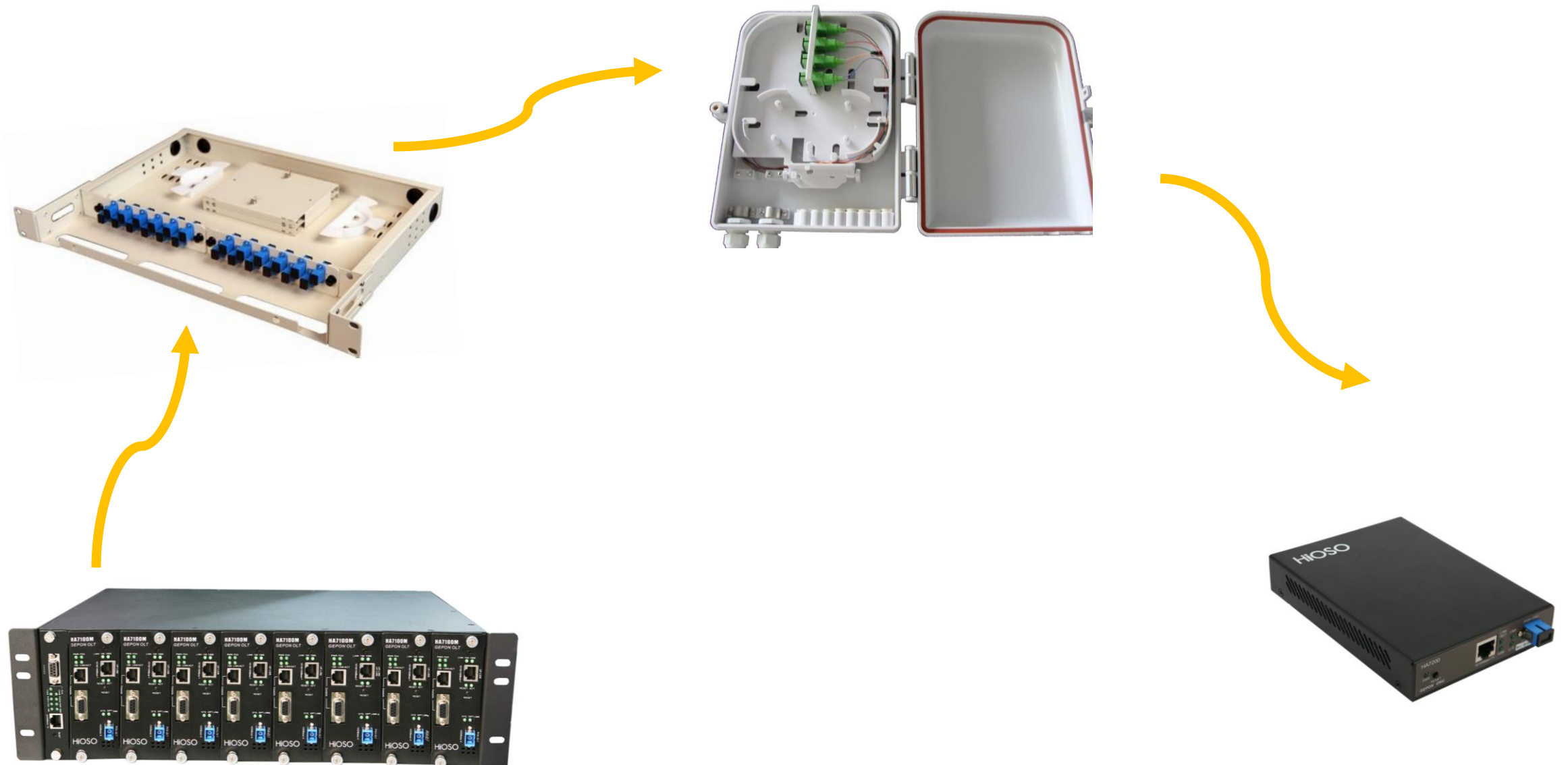
ONU 4 Port



ONU 4 Port + Wifi + Voip + CATV



ONU 4 Port + Wifi + Voip



That's all, thanks

