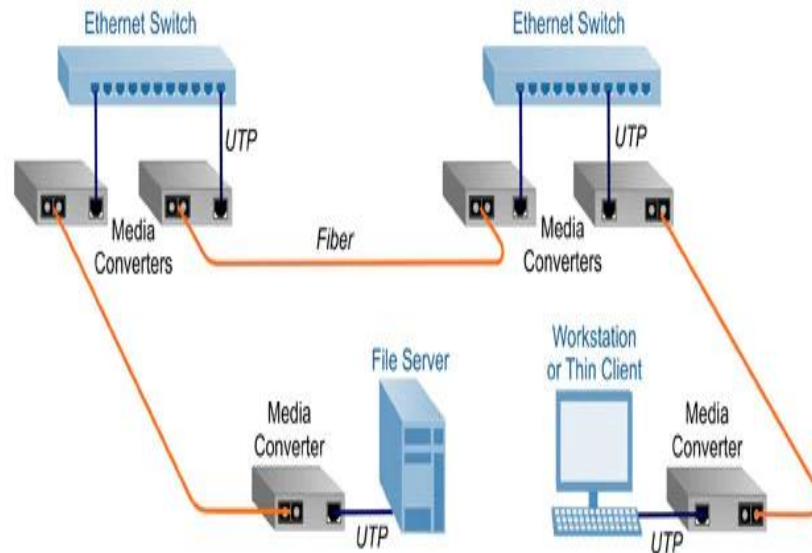




OVERVIEW OF FIBER CONNECTIVITY

Media Converter Connectivity



Problems in Media Converter Link:

- ❑ Fiber Cut, High DB, Core Damage, Core Bend inside TJB.
- ❑ UTP Cable Damage or Loose, Faulty Connector, UTP Cable in the wrong port
- ❑ Fiber Patch Cord Damage
- ❑ MC Damage, MC Adapter related problem, Low Voltage

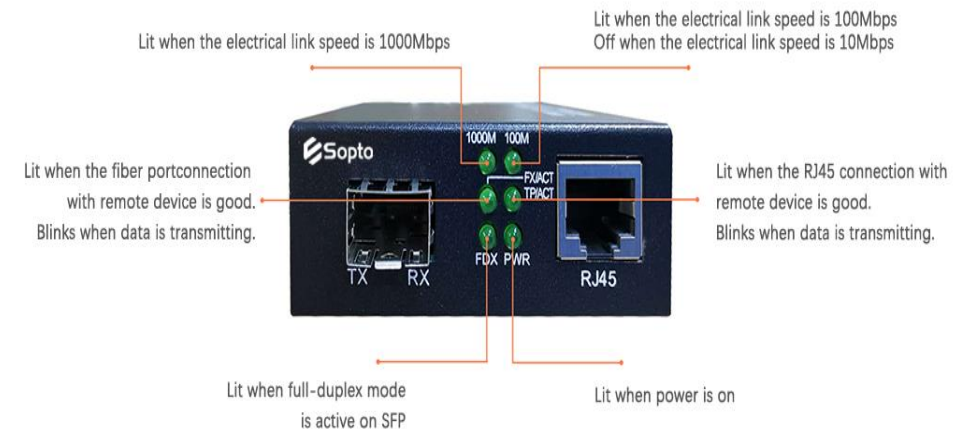
Media Converter Connectivity



Solution:

- ❑ Restoring the Fiber if Fiber Cut happened or core bend in TJB
- ❑ For DB High issue, need to do OTDR, as per OTDR Result need to check
- ❑ Need to Check UTP Cable, Connector, and Switch Port
- ❑ Need to Change Patch Cord if damaged
- ❑ MC and Adapter need to be changed and need to check the voltage

10/100/1000Mbps SFP Fiber Media Converter

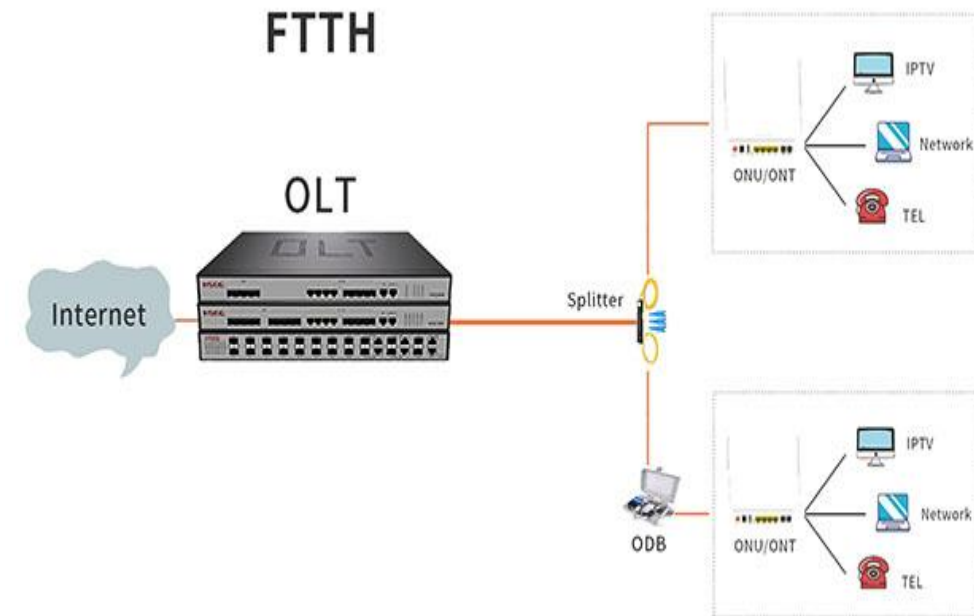




ONU Connectivity / FTTX Network

Problems in ONU Link:

- ❑ Fiber Cut, High DB, Core Damage, Core Bend inside TJB, Splitter Damage.
- ❑ UTP Cable Damage or Loose, Faulty Connector, UTP Cable in the wrong port
- ❑ Fiber Patch Cord Damage
- ❑ ONU Damage , ONU Adapter Damage



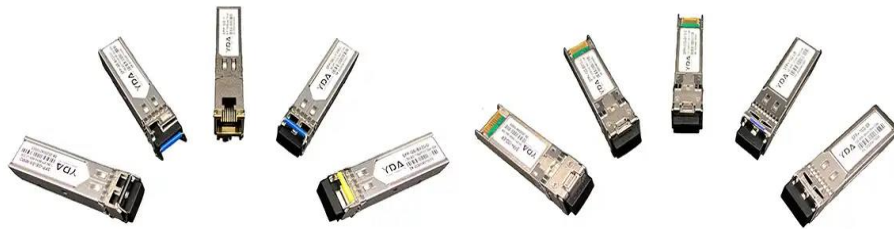
ONU Connectivity / FTTX Network



Solution:

- ☐ Restoring the Fiber if Fiber Cut happened or the core bend or Splitter got damaged in TJB
- ☐ For DB High issue, need to do OTDR, as per OTDR Result need to check
- ☐ Need to Check UTP Cable, Connector
- ☐ Need to Change Patch Cord if damaged
- ☐ ONU and Adapter need to be changed

SFP Modular Connectivity



SFP Transceiver

10G Transceiver



25G QSFP Transceiver

Problems in SFP Modular Link:

- ❑ Fiber Cut, High DB, Core Damage, Core Bend inside TJB
- ❑ Fiber Patch Cord Damage
- ❑ SFP Modular Damage
- ❑ SFP Port problematic
- ❑ Slotted MC problematic

SFP Modular Connectivity



Solution:

- ☐ Restoring the Fiber if Fiber Cut happened or the Core Bend in TJB
- ☐ For DB High issue, need to do OTDR, as per OTDR Result need to check
- ☐ Need to check the modular
- ☐ Need to check the SFP Port in Switch or Router
- ☐ Need to Change Patch Cord if damaged
- ☐ Slotted MC and Adapter need to be changed if damaged



NTTN Dark Core Connectivity

Problems in NTTN Dark Core Link:

- ☐ Dark Core Link-related responsibility belongs to Clients
- ☐ Fiber Cut, Core Damage, Core Bend inside TJB
- ☐ Fiber Patch Cord Damage
- ☐ SFP Modular Damage
- ☐ Switch or Router Port problematic
- ☐ MC problematic



NTTN Dark Core Connectivity

Solution:

- ☐ Restoring the Fiber if Fiber Cut happened or the Core Bend in TJB
- ☐ Need to check the modular
- ☐ Need to check the Port in Switch or Router
- ☐ Need to Change Patch Cord if damaged
- ☐ MC and Adapter need to be changed if damaged
- ☐ Mentioned above also needs to be done by the NTTN at their LDP side



NTTN Connectivity

Problems in NTTN Link:

- ☐ Fiber Cut, High DB, Core Damage, Core Bend inside TJB inside our side of Fiber.
- ☐ Problem at NTTN LDP side.
- ☐ UTP Cable Damage or Loose, Faulty Connector, UTP Cable in the wrong port
- ☐ Fiber Patch Cord Damage
- ☐ MC Damage, MC Adapter related problem, Low Voltage



NTTN Connectivity

Solution:

- ☐ Restoring the Fiber if Fiber Cut happened or the Core Bend in TJB
- ☐ For DB High issue, need to do OTDR, as per OTDR Result need to check
- ☐ Need to check the modular
- ☐ Need to check the Port in Switch or Router
- ☐ Need to Change Patch Cord if damaged
- ☐ MC and Adapter need to be changed if damaged
- ☐ Mentioned above also needs to be done by the NTTN at their LDP side

Point to Point Dark Core Connectivity



Problems in Point-to-Point Dark Core Link:

- ☐ Dark Core Link-related responsibility belongs to Clients
- ☐ Fiber Cut, Core Damage, Core Bend inside TJB
- ☐ Fiber Patch Cord Damage
- ☐ SFP Modular Damage
- ☐ Switch or Router Port problematic
- ☐ MC problematic

Point to Point Dark Core Connectivity



Solution:

- ☐ Restoring the Fiber if Fiber Cut happened or the Core Bend in T
- ☐ Need to check the modular
- ☐ Need to check the Port in Switch or Router
- ☐ Need to Change Patch Cord if damaged
- ☐ MC and Adapter need to be changed if damage



Thank You!