

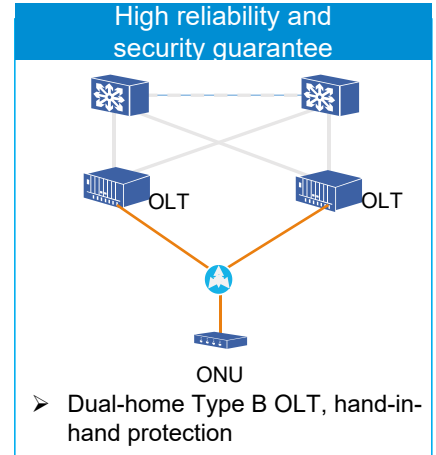
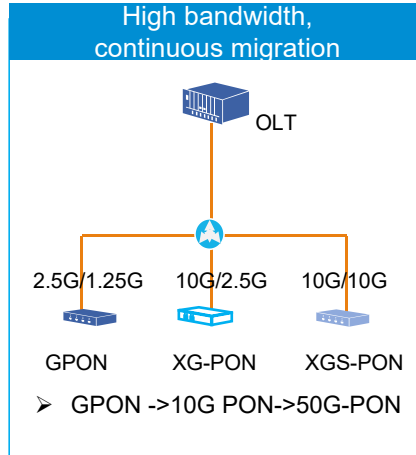
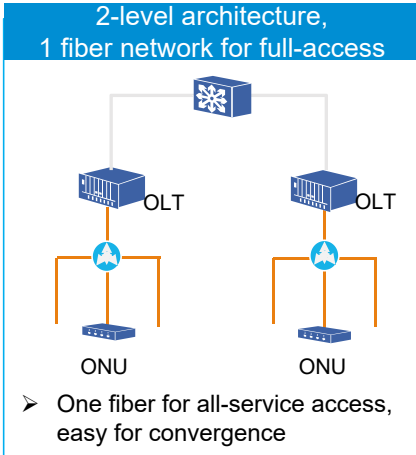


Building All-Optical and All-Scenario Coverage  
Smart Campus Networks

FTTR-B Campus Solution

# 1

## All-Optical fiber connection is the foundation of the campus networks



### Flat Network Structure

- The OLT-ONU networking simplifies the networking.
- The P2MP architecture can easily and flexibly expand the capacity.

### Smooth Evolution

- Multiple types of ONUs co-exist in the same ODN network.
- GPON → XG(S)-PON → 50G-PON

### High Reliability and Security

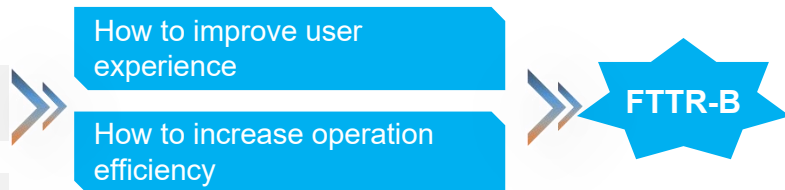
- Type B/C, hand-in-hand and OLT dual-parented protection.
- Unified service provisioning, ONT plug-and-play.

FTTR-B Campus solution based on PON technology, inherits the advantages of PON including **high bandwidth**, **flat network architecture** and **high reliability**.

# 2

## FTTR-B will become mainstream in campus network

- Large scale vertical data traffic transmission based on DC
- Multiple services access with one network
- Fiber in copper out is the trend for campus network



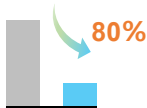
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## FTTR-B Campus decreases equipment room and simplifies O&M, saving TCO



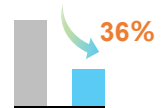
### Less room space

- Reduce 80% equipment room



### Less power consumption

- Reduce 36% power consumption of CO room



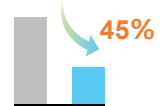
### Less cabling cost

- Decrease the Ethernet cable length from 40 to 1-20 meters



### Low TCO

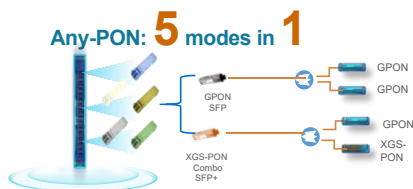
- Save TCO by 45%.



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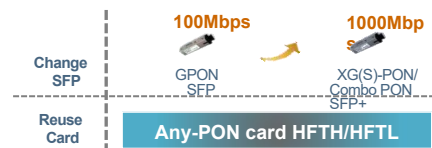
## Any-PON, pay as you grow, build 10G PON ready networks

### Flexible Switching between Technologies



16-port Any-PON Card

### Only change optical module, ODN "0" change



### On-demand Deployment

- On-demand optical module replacement
- **1** feeder fiber
- **5** access mode coexist

### Quick Upgrade

- **"0"** chassis/card change
- **"0"** ODN e change
- Upgrade with RTU(Right To Use)

### Quick Data Migration

- Manual -> Tool, higher efficiency
- Higher data conversion accuracy

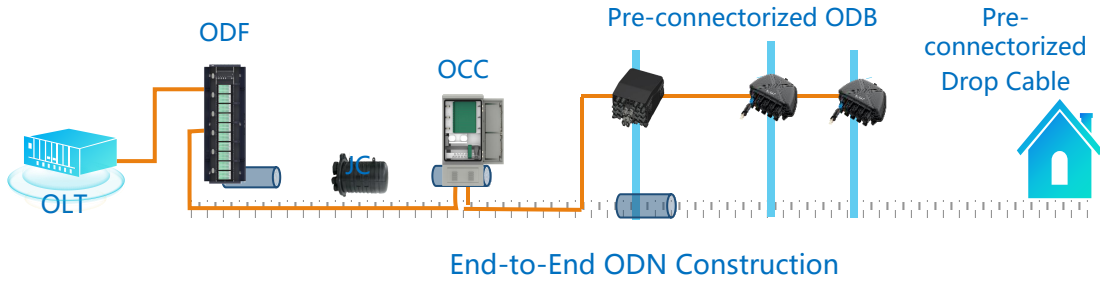
- **Pay as grow**, deploy GPON first, then upgrade to 10G PON
- **Low** XGS-PON upgrading cost
- **Low** engineering human fee

**50+** operators in **30+** countries with Any-PON deployment



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## E2E ODN Solution Helps Rapid and Cost-effective Construction



- Professional network design and planning, **HLD and LLD**
- Pre-connectorized enables **fast deployment**
- **15+** years and **30M+** lines turnkey experience

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## FTTR-B Campus solution has been deployed by 900+ customers worldwide

Qingdao High-Tech Zone



Ordos Hotel



Sichuan Agricultural University



Campus



Education



Medical Care



Production



Transportation



Energy



Hotel

**FTTR-B Campus, Helps Build All-Optical and All-Scenario  
Coverage Access Solution for Campus Networks**



Leading 5G Innovations

