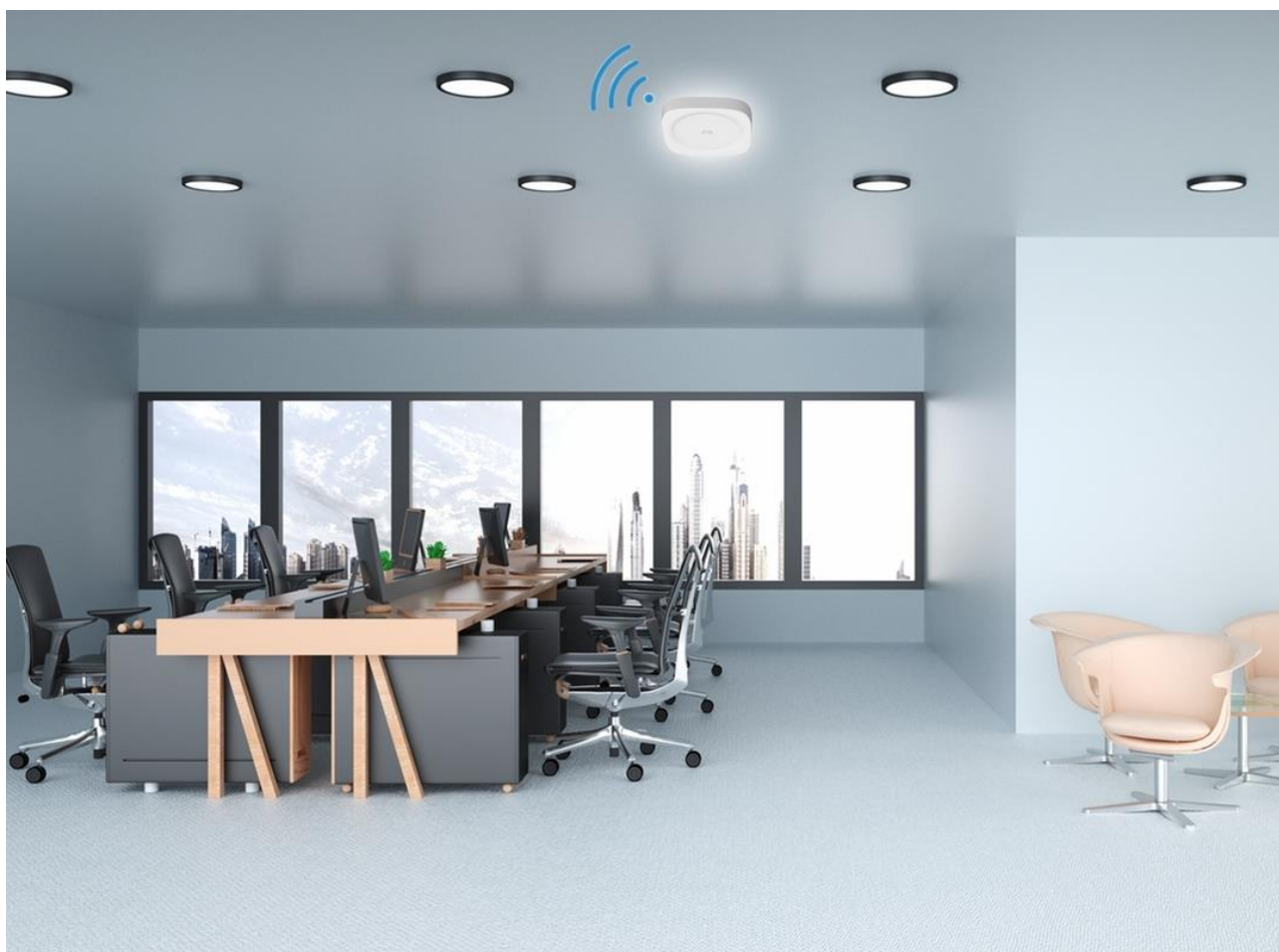# ZTE FTTR-B

## All-optical Mesh Wi-Fi for SME*

*SME: Small and Micro Enterprise*



### Ultimate All-optical Mesh Wi-Fi, Experiencing the Subscribed Bandwidth

| All-optical | In-house Chip | Wi-Fi 6 | EasyMesh | Flexible Deployment |

FTTR-B (Fiber To The Room for Business) is an all-optical networking solution for enterprises combining optical fibers, photoelectric composite cables, and Wi-Fi 6. It provides ultimate mesh network experience, and solves the bottleneck of internal enterprise networks.
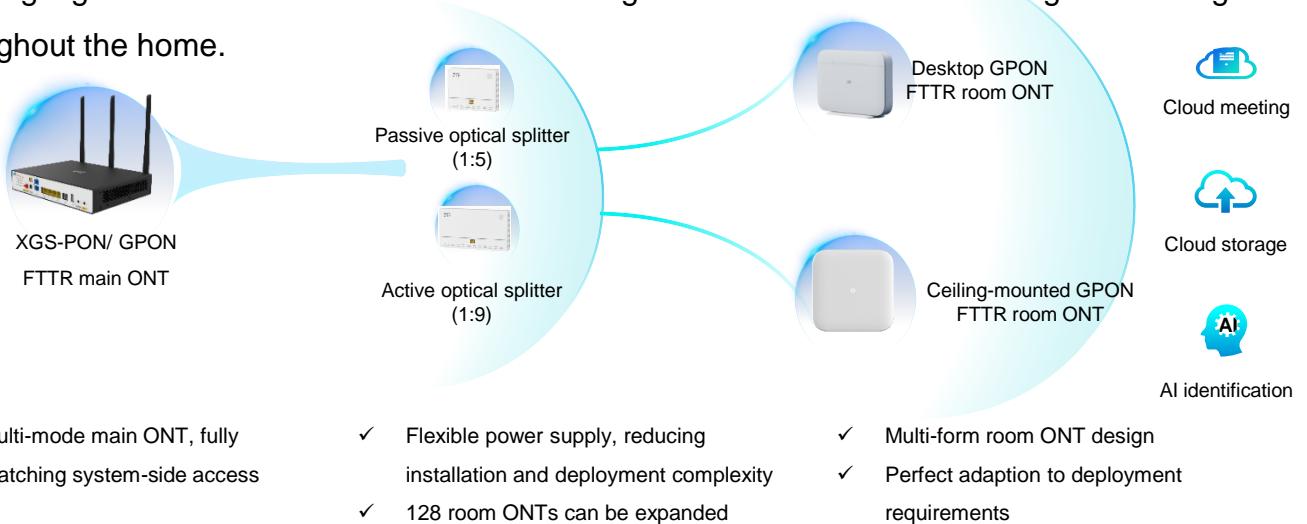
## ? Why Do SME Networks Need to Be Upgraded?

Traditional SME networks are complicated and has many problems. For example, it is hard to remotely manage the Wi-Fi networking, there is no standard of network deployment and operation, there is no guarantee for network performance, and the high network construction cost leads to quick upgrade of network cables.

FTTR-B provides SMEs an all-optical LAN with rapid deployment, extreme experience, and simplified O&M, facilitating the digital transformation of SMEs.

## FTTR-B Helps Speed Up SME Intranets

ZTE FTTR uses the all-optical gateway for home networking over optical fibers. It supports the expansion to one main ONT +128 room ONTS, and works with the self-developed intelligent roaming algorithm to achieve one-network coverage and millisecond-level intelligent roaming throughout the home.

XGS-PON/ GPON
FTTR main ONT

Passive optical splitter (1:5)

Active optical splitter (1:9)

Desktop GPON FTTR room ONT

Ceiling-mounted GPON FTTR room ONT

Cloud meeting

Cloud storage

AI identification

✓ Multi-mode main ONT, fully matching system-side access

✓ Flexible power supply, reducing installation and deployment complexity
✓ 128 room ONTs can be expanded

✓ Multi-form room ONT design
✓ Perfect adaption to deployment requirements

## Abundant Application Scenarios

Multi-storey office buildings with multiple small and micro enterprises

Large flat-storey buildings for commercial training and conference hall

Small hotels

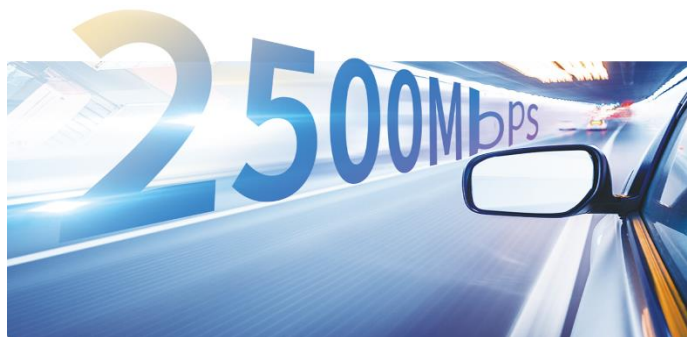Street stores such as cafe houses, restaurants, and bars

**Network upgrade**

- Ceiling-mounted room ONT with POF
- Applicable to various scenarios
- Photoelectric composite cables supply power conveniently

## Ultra-gigabit capability meets future requirements

All-optical Wi-Fi 6 with 2.5GE LAN port, helping to achieve 2Gbps+ services.
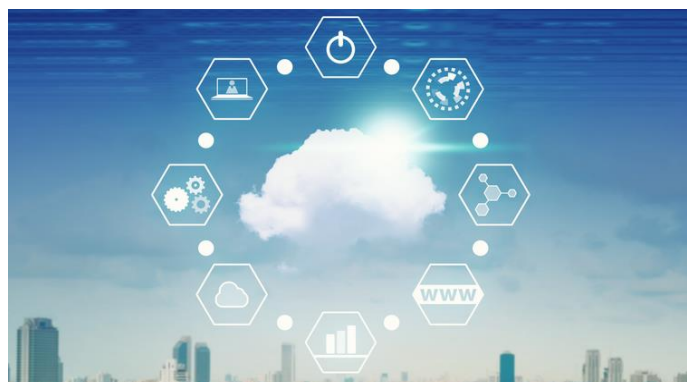


## 1+128extends coverage and multi-device access

Support 128 APs and 1000 STAs concurrently.



## Millisecond smart roaming provides better experience

Seamless roaming guarantees high-quality networks and reduces complaints.



## Intelligent management platform reduces OPEX

App for easy operation by users, SCP for intelligent analysis by operators.

# FTTR-B Network Design Solution for Typical Scenarios

## Home-like: independent compartment, area < 300m²

| | Feature |
|---|---|
| Scenario | Shops, hotels, restaurants, apartments |
| Service Requirement | Mainly Internet requirement, as well as video surveillance, payment, VOIP, IPTV |
| Network Requirement | Broadband access, seamless Wi-Fi coverage, fast network speed, excellent experience |
| Product | 1 main ONT+1~32 desktop room ONTs+1-4 passive optical splitter |

## Enterprise office: open-plan office, area < 1000m² per floor

| | Feature |
|---|---|
| Scenario | Commercial buildings, SOHO, commercial training organization, commercial training and conference hall |
| Service Requirement | Massive Wi-Fi, large file transfer and video conference |
| Network Requirement | Enterprise security and intranet access |
| Product | 1 main ONT+5~128 ceiling-mounted room ONTs+1~4 active optical splitter (POF) |

\* A maximum of 1: 128 optical splitting is supported

# ZTE FTTR-B Series Products

## Main ONT

**G100A-C4**
XGS-PON Access
1xGPON
1x2.5GE(WAN/LAN)
3xGE,1xFXS,1xUSB
AX3000

**G100S-C4**
GPON Access
1xGPON
1x2.5GE(WAN/LAN)
3xGE，1xFXS,1xUSB
AX3000

**G8605**
XGS-PON Access
1xGPON
1x2.5GE, 3xGE
1xFXS,1xUSB
AX3000

**G6605**
GPON Access
1xGPON
1x2.5GE, 3xGE
1xFXS,1xUSB
AX3000

## Room ONT

**G1632**
GPON Access
2GE+1xFXS,1xUSB
HDMI 2.1+AV+IR
BLE 5.0+AX3000

**G1660G**
GPON Access
2GE+AX3000
**POF/DC**

**G1611**
GPON Access
4xGE+1xFXS,1xUSB
AX3000

**G1015**
GPON Access
2.5GE

## ODN

Passive optical splitter (1:5)

Invisible optical cable

Active optical splitter (1:9)

Photoelectric composite cable

Photoelectric composite connector