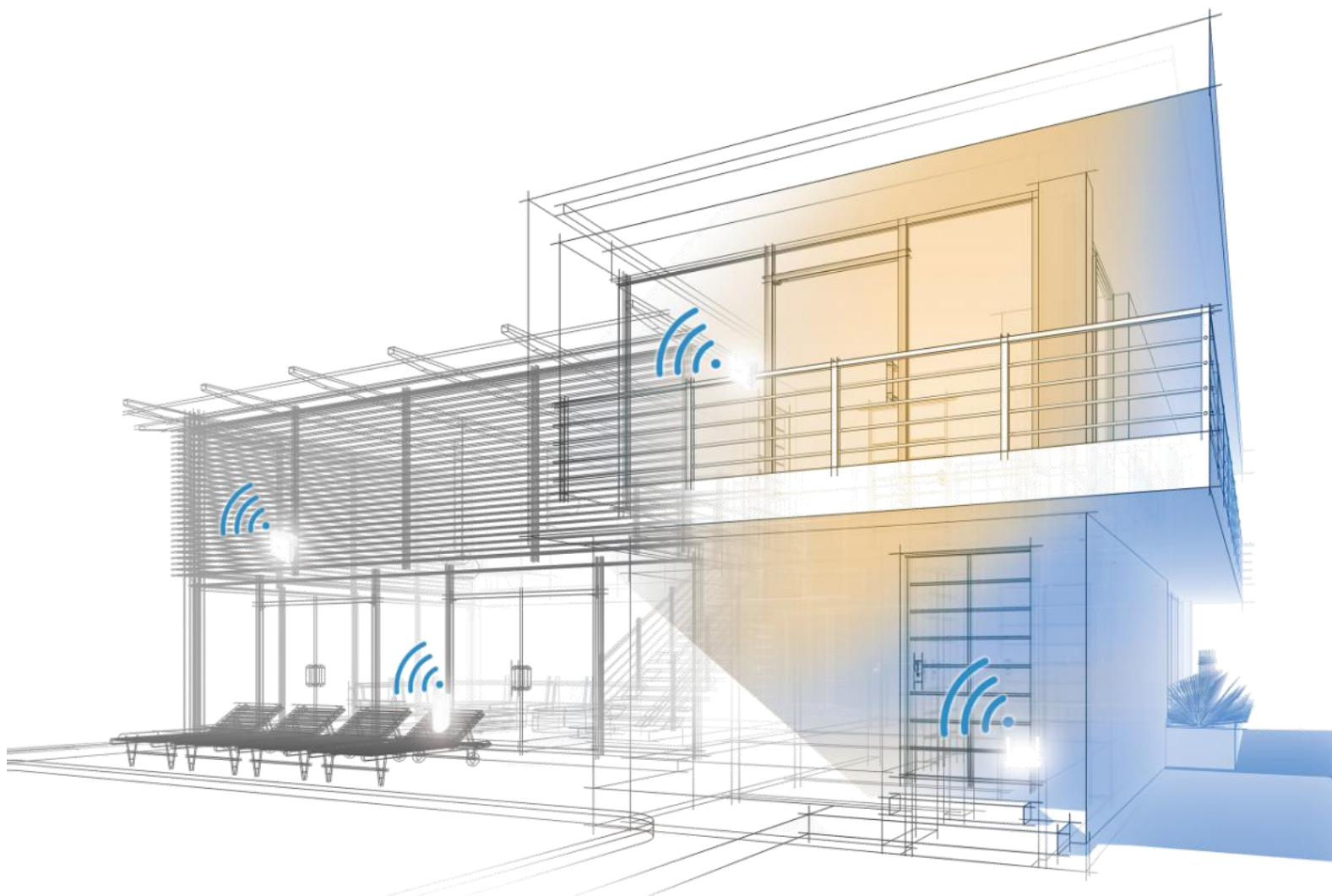


ZTE FTTR-H

All-optical Mesh Wi-Fi for Whole Home



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



All-optical



In-house Chip



Wi-Fi 6



EasyMesh



Flexible Deployment

FTTR (Fiber To The Room) is a new networking mode in the gigabit era, and is also the ultimate solution for home networks. ZTE FTTR-H provides users with ultimate mesh network experience throughout the home, and solve network problems in one step.



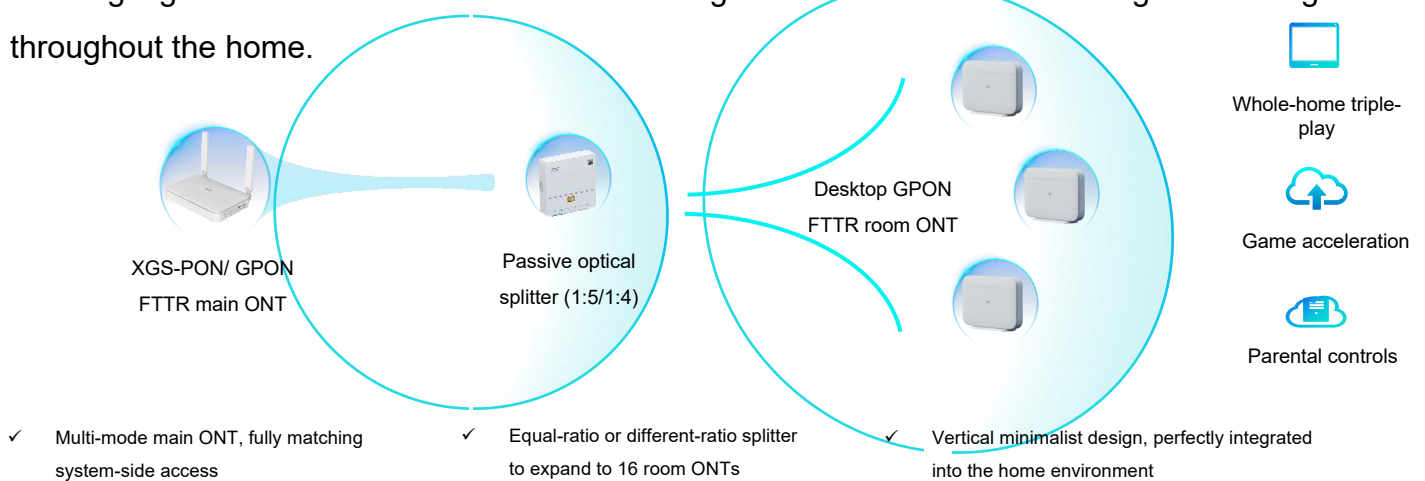
Why Is It Hard to Experience the Subscribed Bandwidth at Home?

FTTH only solves the problem of fiber access to home. Many operators choose the Mesh solution to solve the problem of home Wi-Fi coverage. However, Mesh networks with Wi-Fi backhaul cannot provide the maximum rate, which does not match operators' gigabit packages. And Mesh networks with traditional Ethernet cable backhaul are limited by transmission rate and distance, which becomes a bottleneck of home network bandwidth.



FTTR-H Builds Future-Proof Home Networks

ZTE FTTR uses the all-optical gateway for home networking over optical fibers. It supports expansion to one main ONT +16 room ONTs, and works with the self-developed intelligent roaming algorithm to achieve one-network coverage and millisecond-level intelligent roaming throughout the home.



Abundant Application Scenarios



High Bandwidth Requirements Like 4K/8K/VR



Smart Home Multi-device Access



High-quality Wi-Fi Coverage



Low-latency for Online Game/VR/AR

? All-Optical Transmission Media Eliminates Physical Bottlenecks



Appearance upgrade

Pure and simple design, suitable for various home decoration styles

Ultra-gigabit capability meets future requirements

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



1+16 extends coverage and multi-device access

Support 16 APs and 128 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 Network Design Solution for Typical Scenarios



Flat structure: solving the poor effect on a single Wi-Fi

Device	Quantity	Usage
Main ONT	1	Placed in the living room for Wi-Fi coverage
Room ONT	1~4	Placed in each room for Wi-Fi coverage
Splitter	1	Placed near the main ONT, with 1: 4 optical splitting







Multi-storey: solving the difficulty of Wi-Fi backhaul

Device	Quantity	Usage
Main ONT	1	Placed in the living room for Wi-Fi coverage
Room ONT	5~16	Placed in each room for Wi-Fi coverage
Splitter	2~4	Placed near the main ONT, with 1: 5/1: 9 optical splitting

* A maximum of 1: 16 optical splitting is supported



FTTR-H Series Products

Product Diagram				
Product Name	XGS-PON main ONT	GPON main ONT	Desktop room ONT	Converged room ONT
Product Mode	ZXHN G8605	ZXHN G6605	ZXHN G1611	ZXHN G1632
WAN	XGS-PON	GPON	GPON	GPON
LAN	1*GPON+1*2.5GE+3*GE+1*FXS+AX3000		4*GE+1*FXS+AX3000	2xGE, HDMI 2.1+AV+IR+BLE5.0



Passive splitter (1 :4)



Passive splitter (1 :5)



Invisible optical cable