

FTTR-B G100A Series Main ONT

ZXEN G100A series



2.5GE



802.11ax



EasyMesh



Cloud

The ZXEN G100A series is all-optical networking products specially designed for the FTTR-B scenario. It work as the Optical + wireless + voice "Three-Network Central Controller" , it built-in mini OLT , Wi-Fi controller and mini PBX modules to bear the integrated services requirements.



"Three-Network Central Control"

- Optical + wireless + voice "Three-Network Central Controller" , G100A series built-in mini OLT, Wi-Fi controller and mini PBX to meet the integrated services requirements



Industry 1st ASIC FTTR chip

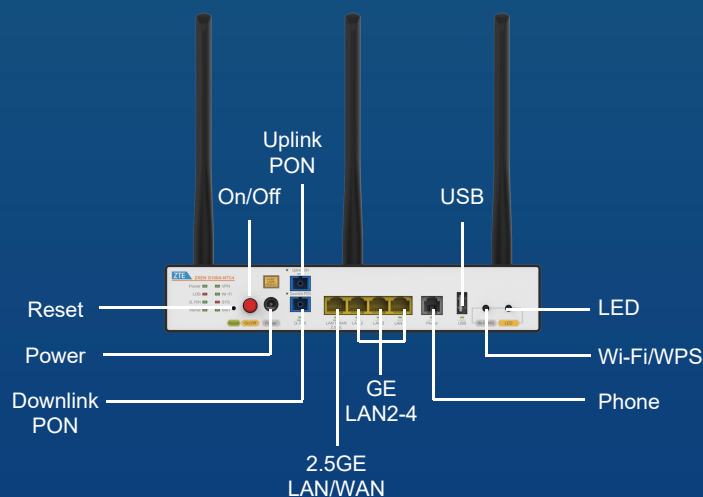
- Reduces power consumption by 70% and the transmission latency by 75%



Wider Access, Massive STAs Connection

- Wider coverage area by maximum 32 splitting radio.
- Up to 300 STAs connection to network

Specifications



Dimensions: 240*180*43.6 (mm)

WAN	XGS-PON or GPON
LAN	- GPON 1x2.5GE RJ-45 port (LAN/WAN) 3xGE RJ-45 ports 1xFXS RJ-11 port 1xUSB2.0 2x2 802.11b/g/n/ax @2.4GHz 2x2 802.11a/n/ac/ax 160MHz@5GHz

FTTR

- Up to 32 splitting, 300 STAs concurrent
- Mini PBX for room ONT
- VPN: L2TP/PPTP/IPsec
- Public Wi-Fi/ Mesh Wi-Fi
- Portal/802.1x authentication
- Smart QoS

Wi-Fi

- OFDMA and MU-MIMO
- Spatial reuse
- Target wakeup time
- Manual/auto radio channel selection
- WPA/WPA2/WPA3 security
- 802.11k/v/r

Management

- ACS remote management
- Cloud remote management
- Web GUI based management
- Logs and statistics
- Zlife APP

Security

- Stateful Packet Inspection (SPI) firewall
- Denial of Service (DoS) protection
- Multiple VPN pass-through
- MAC/IP/URL filtering
- Service based access control

FTTR Auxiliary Equipment

STB Capable ONT
G1632

WAN: GPON
LAN: 2xGE, HDMI
2.1+AV+IR+BLE5.0

Voice Room ONT
G1611

WAN: GPON
LAN: 4xGE
1xFXS, 1xUSB

Ceiling AP
G1660G

WAN: GPON
LAN: 2xGE

Panel ONT
F6005

WAN: GPON
LAN: 2.5GE

Active Optical Splitter



56V DC
1* uplink port
1*cascade port
8* user ports

Passive Optical Splitter



1* uplink port
1*cascade port
4/8* user port

Photoelectric
composite cable

ITU-T G.657A2
ESC/UPC

Invisible optical cable



ITU-T G.657.B3
20m/30m/50m
SC/UPC