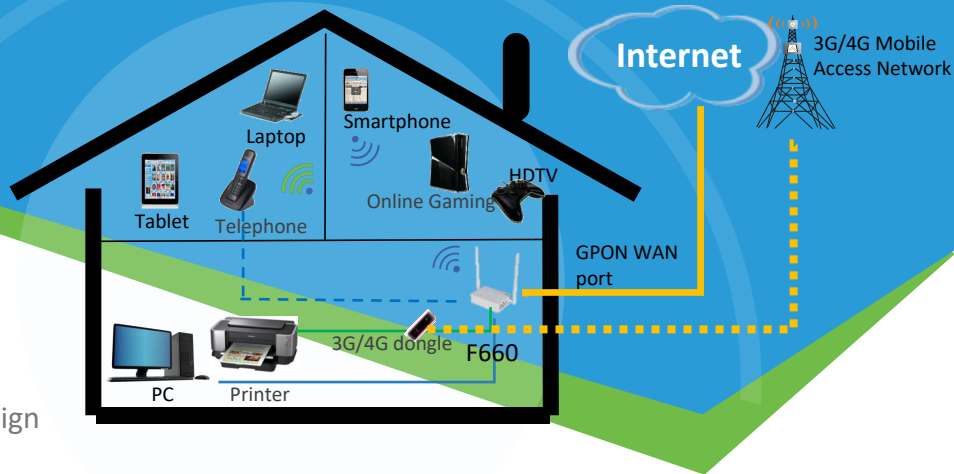


# N300 Gigabit GPON Gateway

ZXHN F660

## Overview

The ZXHN F660, a GPON optical network terminal (ONT) for home users, is designed for fiber to the home (FTTH) scenarios and supports desktop mounting and wall mounting. It comes with 1GE&3FE, one phone ports, one IEEE 802.11 b/g/n(2x2) Wi-Fi interface with two external antennas. By using the device, the home users can access data, video and voice services, and enjoy high-speed internet connection.



## Highlights



### High Reliability

- The highly reliable heat dissipation design guarantees its stable operation.
- The dual image ensures uninterrupted services during software download or upgrade, thereby enhancing software reliability.



### Green Design

- Automatically switches to energy-saving mode according to idle status of the port.
- complies with CE, RoHS and WEEE standards.

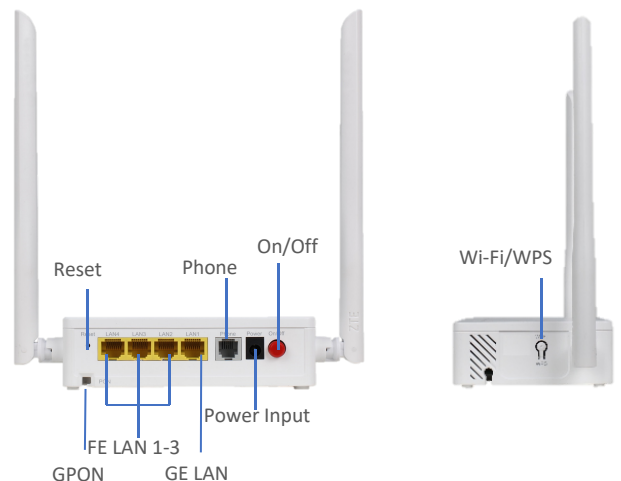


### More Flexible Management

- Complete OMCI complying with ITU-T G.988
- OMCI and TR-069 management that complies with the BBF TR-142 framework

## Hardware Specifications

|            |  |   |
|------------|--|---|
| Interfaces | WAN  | • 1xSC/APC connector for GPON   |
|            | LAN  | • 1xGE RJ-45 port<br>• 3xFE RJ-45 port<br>• 1xFXS RJ-11 ports<br>• 2x2 802.11b/g/n Wi-Fi @ 2.4GHz |
| Buttons    | • Power On/Off<br>• WPS/Wi-Fi<br>• Reset                               |   |
| LEDs       | • Power, PON, LOS, Internet, Wi-Fi, Phone, LAN1, LAN2, LAN3, LAN4, WPS |   |





### Software Functions

#### Wi-Fi

- 2.4G(2\*2 MIMO), 802.11b/g/n compliant
- Manual/Auto radio channel selection
- WPA/WPA2 Security
- Four broadcast/hidden SSIDs
- Transmission power control

#### VoIP

- SIP (RFC3261) compliant
- DTMF and pulse number receiving
- DTMF encryption algorithm (RFC2833)
- G.711 a/u law, G.729, and G.722 coding /encoding algorithm
- VAD and CNG
- T.30 fax, T.38 fax

#### Networking

- IPv4/IPv6 Dual Stack and DS-Lite
- SNTP client
- NAT/ALG
- Static routing/Dynamic routing
- PPPoE Client/Passthrough
- DNS Client/Relay
- DHCP client/server
- IGMP and MLD snooping/proxy

#### QoS

- Flexible packet classification
- Up to eight queues
- SP/WRR/SP+WRR
- Ingress rate limit
- Egress shaping
- WMM(Wi-Fi Multi Media)

#### Security

- Traffic filtering based on UNI port, VLAN ID, 802.1q, UNI+802.1q or VLAN+802.1q
- DoS attack defending
- Multiple VPN (IPSec, PPTP) passthrough
- MAC address filtering
- Broadcast/Unicast/Multicast attack protection
- Broadcast packet rate limit
- Dual image for firmware auto rollback

#### Management

- TR-069/OMCI remote management
- WEB GUI management
- Local built-in diagnostic function
- Logs and statistics
- Loop back function

### Other Characteristics

|                        |  |
|------------------------|--|
| <b>Power Supply</b>    | <ul style="list-style-type: none"> <li>• 12V DC, 1.0A</li> </ul>   |
| <b>Characteristics</b> | <ul style="list-style-type: none"> <li>• Net weight: 200g</li> <li>• Dimensions: 130x90x35 mm</li> </ul>   |
| <b>Environmental</b>   | <ul style="list-style-type: none"> <li>• Operating temperature: 0 °C~40 °C(23 °F ~ 113 °F)</li> <li>• Humidity: 5% ~ 95% (non-condensing)</li> </ul> |
| <b>Certification</b>   | <ul style="list-style-type: none"> <li>• CE</li> <li>• Wi-Fi</li> </ul>  |