



SHANGHAI BAUDCOM COMMUNICATION DEVICE CO.,LTD

## ZTE ZXHN F660 V8.0 FTTH



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## Overview

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ZTE F660 V8.0 is a GPON Optical Network Terminal designed for HGU (Home Gateway Unit) used in FTTH scenario, which supports L3 function to help subscriber construct intelligent home network. ZTE F660 provides an GPON interface to connect OLT with an ODN. It offers a new choice for operators to deliver FTTH access.

POL (Passive Optical LAN) is a new type of LAN networking solution based on PON technology, which combines different services such as data, voice, video, and wireless access into one optical fiber network, inheriting the PON network. With the advantages of large bandwidth, high reliability, low latency, flatness, easy deployment, and easy management, it is the best choice for different scenarios such as smart parks, commercial buildings, enterprises, campuses, hotels, governments, and finance.

## Product Features

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- **Ultra-wide:** one deployment, continuous upgrade of network capacity  
Each PON port of the POL network has a bandwidth of up to 10G. When there is a higher bandwidth requirement, the optical fiber does not need to be replaced, only the equipment or optical modules at both ends need to be replaced, simplifying the upgrade steps and saving upgrade costs.
- **Simplified:** energy saving and land saving, simple operation and maintenance  
The POL solution can reduce the computer room by about 80% and can achieve energy savings of up to 60%.  
The POL network has a simple hierarchy, which is convenient for maintenance and management, reduces failure points, and improves network reliability. Network operation and maintenance expenses can be reduced by more than 60%.



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- Convergence: One optical fiber carries all services

A set of POL network can provide 1000M Ethernet port, POTS, CATV, Wi-Fi, RS232/485 serial port, PoE port, time synchronization interface, etc. There is no need to establish multiple sets of networks to carry multiple services.

- Security: Provide multiple security protection mechanisms

The POL network effectively avoids electromagnetic interference, electromagnetic leakage and other problems, and supports AES128 encryption to ensure the safety of data optical fiber transmission.

POL equipment supports MAC binding, 802.1x authentication, user isolation, etc., broadcast suppression, and anti-DOS attacks effectively prevent illegal user access and other user attacks.

#### **Functional characteristics**

- Fiber access: Connecting internet through GPON access method
- Ethernet function: It Provides 4 Ethernet ports and Ethernet devices can be directly connected to the ZXHN F660 Ethernet port to achieve Internet and IPTV services.
- VoIP function: It Provides 1 VoIP(Phone) ports supporting softswitch SIP, IMS SIP or H.248 voice control protocol and telephone can be connected via this interface.
- Internal WLAN function: Users can connect to the ZXHN F627 via WLAN, enabling wireless Internet access.
- Data sharing, fast backup, data recovery and other functions: It provides USB2.0 port. Plugging a USB memory device, it can achieve all these functions.
- Under the premise of providing the above functions, achieving security, QoS and network management are also taken into the consideration.
- Providing multi-level authentication based on device, user, service, and encryption of data channels
- For different service requirements of the business, it can complete the local equipment and network matching QoS requirements
- Holding network management based on multiple management methods

#### **Executive Standard**

- GPON interface: SC/APC or SC/APC PON interface, GPON standard
- Ethernet interface: 1\*10Mbps/100Mbps/1000Mbps adaptive port+3\*10Mbps/100Mbps adaptive port, RJ-45 type, IEEE802.3 and IEEE802.3u standard



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- Phone interface: RJ-11 type
- WLAN interface: IEEE802.11b,IEEE802.11g,IEEE802.11n standard,built-in antenna
- USB interface:standardized USB2.0

### Applications

- Catering for different scenarios it provides different interfaces such as FE,GE,VoIP, E1, WiFi,USB and other interfaces to meet the requirements of FTTH,FTTO and FTTB application modes, not only for home user, but also for commercial users.It supports full service operation with high QoS and security, such as HSI, VoIP, IPTV.
- Easy for deployment Mounting mode and fiber coiling make installation very easy.
- Easy for trouble shooting Support ONT signal tracing and performance monitoring, and quickly locate fault on ONT.
- Particular power saving Supports status monitoring when ONT is free, and enter low-power

### Tech Specification

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Brand	ZTE
Model	F660V8.0
Optical port	1 x GPON interface
Transmission Distance	0-20KM



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Transmit rate	2.488Gbps downstream; 1.244Gbps upstream
User-Network Interface	1GE +3FE port
	1 x Wi-Fi interface
	1 x USB host interface
	1 x POTS interfaces
Wavelength	Receiving: 1480~1500 nm   Transmitting: 1290~1330 nm
Receiving Sensitivity	-28dBm
Transmitting Optical Power	0.5~5dBm
Power consumption	<10W



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Dimensions	220mm(W) x 44mm(H) x 160mm(D)
Working temperature:	0oC ~ 40oC
Working humidity	5% ~ 95%
Weight	380G
Power supply	12V DC