

ADC668V

Optical Network Terminal

4GE 2USB

2.4G 5G AC WiFi



1. Overview

ADC668V is a intelligent routing-type Optical Network Terminal (ONT) in ZTE FTTH solution. By using the GPON technology, ultra-broadband access is provided for home users. The ADC668V supports 802.11ac dual-frequency bands and features high-performance forwarding capabilities to ensure an excellent experience with voice, Internet, and HD video services. ADC730 supports 1 RF port for CATV, which can be switched off on OLT terminal. These features make the ADC668V a perfect option for broadband access.

2. Functional Feature

- * GPON WAN port with 1.244Gbps uplink / 2.488Gbps downlink link speed
- * Active Ethernet WAN port with 1.25Gbps bi-direction link speed
- * 4x GE Ethernet RJ45 Ports
- * 2x2 Ac WiFi support Up to 1200Mbps
- * 1x RF ports for CATV
- * 2x USB ports in host or device mode
- * DC 12V adaptor, max 1.5A current
- * -5 to 50°C operating ambient temperature

3. Hardware

CPU chipset : ZTE ZX279128S+RT990

Memory chipset : NT5CC256M16EP-EK + 8QG17MW874

WiFi Chipset : MT7612EN + MT7603EN

4. Specification

Technical items	Descriptions
Brand	ZTE
Model	ADC668V
Fiber port	4GE+2USB+WiFi,SC single-mode,
Wavelength	Tx 1310nm, Rx 1490nm
Fiber interface	SC/APC
RX sensitivity	<-27dBm (1490nm)
WLAN	IEEE802.11b/g/n,2*2 MIMO, 2.4G/5G WIFI,external antenna(2dBi)
	2.4GHz: 2 x 2 MIMO 802.11b/g/n ,5GHz: 2 x 2 MIMO 802.11a/n/ac
LAN	1*10/100/1000Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface
L2 forwarding capability	Forwarding packets of any length at wire speed
IPv4 L3 forwarding capability	2Gbit/s with any length packets in downstream direction
	1Gbit/s with any length packets in upstream direction
IPv6 L3 forwarding capability	2Gbit/s with any length packets in downstream direction
	1Gbit/s with any length packets in upstream direction
Configuration method	NMS, Web, or TR069
DC power	Adapter input: 100-240 V AC, 50 – 60 Hz ;
	Adapter output: 11 – 14 V DC, 1 A
Button	Reset, power
Power	≤8W
Operation	Working temperature: -0-+40℃
	working humidity:5-95%(non-condensation)
Dimension	185*140*30mm(length*width*height)
Net weight	300g

5.CATV Features

Tech features	Description
Optical wavelength	1540-1560nm (Single fiber, internal PWDM component)
Optical input range	0~ -15dBm
Optical return loss	≥45DB
Bandwidth	40MHz-1000MHz
Flatness	±1.5DB
RF output level	The default:75±5dBuV@155MHZ
AGC control	Regulation accuracy: ±1DB
RF Output return loss	≥14DB
RF output impedance	75Ω
MER	> 33 DB @251MHZ
CNR	≥43 DB
CTB	≥54 DB
CSO	≥54DB