

# ZISA OP154AV1

1\*XPON+4GE+1POTS+WiFi 5+USB 3.0 HGU ONT



## | Product Overview

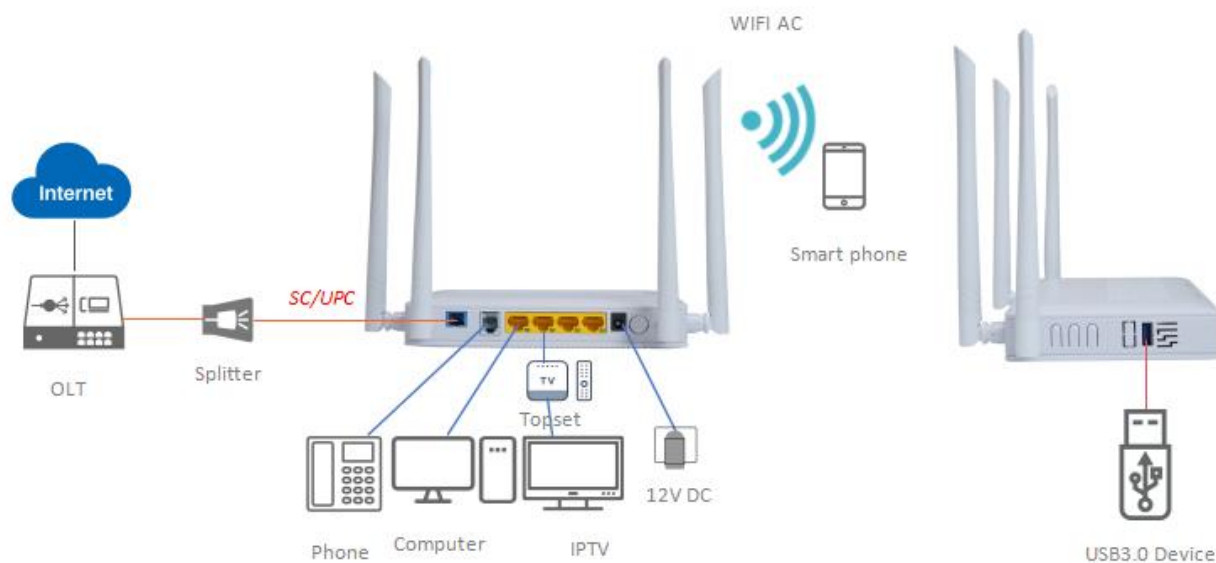
OP154AV1 (4GE+1POTS+WiFi 5+USB3.0 XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services. The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac WiFi 5 technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the ZISA OLT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

## | Main Feature

- XPON Dual Mode
- Plug and play, auto-detecting, auto-configuration
- 802.11n/ac dual band WiFi
- Support full management of HGU devices
- Support guaranteed QoS
- Support IPv4/IPv6

## I Application Chart



## I Technical Specifications

### Hardware Parameter

Dimension	178mm×120mm×30mm(L×W×H)
Net weight	0.42Kg
Operating condition	Operating temp: -10 ~ +55°C Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensing)
Power adapter	DC12V, 1.5A, external AC-DC power adaptor
Power supply	≤ 12W
Interface	4GE+1POTS+WiFi 5+USB 3.0
Indicators	PWR、PON、LOS、2.4G、5G、PHONE、USB

## Interface Parameter

PON interface	<p>1XPON port(EPON PX20+ &amp; GPON Class B+)</p> <p>SC single mode, SC/UPC connector</p> <p>TX optical power: 0 ~ +4dBm</p> <p>RX sensitivity: -27dBm</p> <p>Overload optical power: -3dBm(EPON) or -8dBm(GPON)</p> <p>Transmission distance: 20KM</p> <p>Wavelength: TX 1310nm, RX1490nm</p>
User interface	<p>4*GE, Auto-negotiation, RJ45 ports</p> <p>1 POTS RJ11 Connector</p> <p>1*USB 3.0</p>
WLAN interface	<p>Compliant with IEEE802.11b/g/n/ac</p> <p>WiFi:2.4GHz 2×2, 5GHz 2×2,rate up to 1.167Gbps,Multiple SSID</p> <p>TX power: 2.4GHz: 23dBm; 5GHz: 24dBm</p> <p>RX power: 2.4GHz: HT40-MCS7 -72dBm; 5GHz: VHT80 MCS9 &lt;-62dBm</p>

## Function Data

O&M	<p>OAM/OMCI,Telnet,WEB,TR069</p> <p>Support full management of HGU functions by ZISA OLT</p>
Connect Mode	Support bridge, router & bridge/router mixed mode
QoS	<p>Support 4 queues</p> <p>Support SP, WRR, 802.1P and DSCP</p>

Data Service Functions	<ul style="list-style-type: none"> <li>• Full speed non-blocking switching</li> <li>• 2K MAC address table</li> <li>• 8 full range VLAN ID</li> <li>• Support VLAN tag, untag, transparent, trunk, translation mode</li> <li>• Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc</li> <li>• Support auto polarity detection of Ethernet ports (AUTO MDIX)</li> <li>• Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy</li> </ul>
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Wireless	Integrated 802.11b/g/n/ac
	<ul style="list-style-type: none"> <li>• Authentication:WEP/WAP-PSK(TKIP)/ WAP2-PSK(AES)</li> <li>• Modulation type:DSSS,CCK and OFDM</li> <li>• Encoding scheme:BPSK,QPSK,16QAM and 64QAM</li> </ul>
VoIP	Easymesh
	SIP and IMS SIP
	G.711a/G.711u/G.722/G.729 Codec
	Echo cancellation,VAD/CNG,DTMF Relay
	T.30/T.38 FAX
L3	Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference
	Line testing according to GR-909
	IPv4, IPv6 and IPv4/IPv6 dual stack
	DHCP/PPPOE/Static
Security	Static route, DHCP Server
	NAT/DMZ/DDNS/Virtual Server
	Support Firewall
	Support Mac filter Based on MAC or URL
	Support ACL

## Ordering Information

Product Model	Product Description	Accessories
OP154AV1	4GE+1POTS+WIFI 5+USB3.0	AC-DC power adaptor: DC12V/1.5A

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