

ZISA OP152A

1*XPON+2GE+WiFi5 ONT



Product Overview

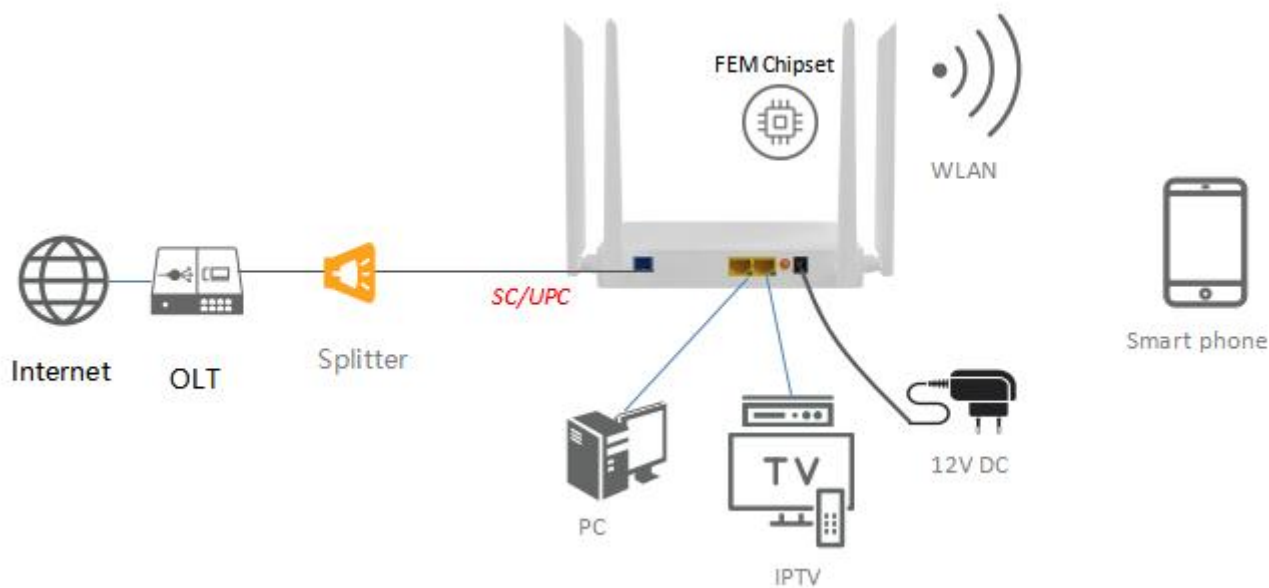
OP152A (2GE+WiFi5 XPON ONT) is designed to meet the FTTH requirements of fixed network operators. The ONT is based on a high-performance chipset technology solution, supporting IEEE802.11b/g/n/ac WIFI technology and other Layer 2/Layer 3 functions. This ONU has a FEM module, which can improve the transmission power and reception sensitivity of WIFI, making the coverage of WIFI larger. In addition, the ONT supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the ZISA OLT.

The ONU has high reliability and is easy to manage and maintain. It has QoS guarantees for different services. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah, ITU-T G.984, etc.

Main Feature

- XPON Dual Mode,Auto-EPON/GPON Mode
- WiFi5 Dual Band 1200Mbps
- EasyMesh
- IPv4/IPv6,Dual Stack
- WiFi-FEM module

Application Chart



Technical Specifications

Hardware Parameter

Dimension	178mm×120mm×30mm(L×W×H)
Net weight	0.3KG
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	DC 12V,1.0A, external AC-DC power adaptor
Power supply	≤12W
Interface	2GE+WiFi5
Indicators	PWR, PON, LOS, 2.4G, 5G

Interface Parameter

PON interface	1XPON port(EPON PX20+ & GPON Class B+)
	SC single mode, SC/UPC connector
	TX optical power: 0 ~ +4dBm
	RX sensitivity: -27dBm
	Overload optical power: -3dBm(EPON) or -8dBm(GPON)
	Transmission distance: 20KM
	Wavelength: TX 1310nm, RX1490nm
WIFI interface	Compliant with IEEE802.11b/g/n/ac
	2.4GHz: 2.4000-2.4835GHz; 5.0GHz: 5.150-5.825GHz
	WiFi:2.4GHz 2×2, 5GHz 2×2, rate up to 1.167Gbps,Multiple SSID
	TX power: 2.4GHz: 23dBm; 5GHz: 27dBm
	RX power: 2.4GHz: HT40-MCS7 -72dBm, 5GHz: VHT80 MCS9 <-63dBm
LAN interface	2*GE, Auto-negotiation RJ45 connectors

Function Data

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

Data Service Functions	• Full speed non-blocking switching
	• 2K MAC address table
	• 8 full range VLAN ID
	• Support VLAN tag, untag, transparent, trunk, translation mode
	• Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc
	• Support auto polarity detection of Ethernet ports (AUTO MDIX)
	• Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy

Wireless	Integrated 802.11b/g/n/ac • Authentication:WEP/WAP-PSK(TKIP)/ WAP2-PSK(AES) • Modulation type:DSSS,CCK and OFDM • Encoding scheme:BPSK,QPSK,16QAM and 64QAM Easymesh
L3	IPv4, IPv6 and IPv4/IPv6 dual stack DHCP/PPPOE/Static Static route, DHCP Server NAT/DMZ/DDNS/Virtual Server
Security	Support Firewall Support Mac filter Based on MAC or URL Support ACL

Ordering Information

Product Model	Product Description	Accessories
OP152A	2GE+WiFi5	AC-DC power adaptor: DC12V/1.0A

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