

# WA8021V5 Datasheet

1200Mbps Dual-band Edge ONT

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## Product Overview

The WA8021V5 is an edge ONT which provides dual-band Gigabit Wi-Fi and Gigabit internet access for home users.

- One-click pairing and automatic networking
- Ethernet port auto-sensing for LAN or WAN mode
- Band steering
- 4K over Wi-Fi
- Network self-healing
- Mesh network (tree type)
- Remote management, installation and maintenance APP management, and user APP management



## Physical Specifications

<b>Dimensions (H x W x D)</b>	65.5mm×105mm×105mm (without pads)	<b>Weight (Without power adapter)</b>	About 195 g
<b>Rated Power Input for Power Adapter</b>	100 - 240 V AC, 50/60 Hz	<b>System power supply</b>	12V DC, 1 A
<b>Static power</b>	3.4 W	<b>Max power</b>	7.8 W

<b>consumption</b>		<b>consumption</b>	
<b>Indicator</b>	1 status indicator	<b>Buttons</b>	Reset and Pairing button
<b>Memory</b>	128MB Flash, 128MB RAM	<b>Installation mode</b>	On the desk
<b>Operating temperature</b>	0°C - +40°C	<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)
<b>Interface</b>	NNI: Wi-Fi or 1GE UNI (Wi-Fi uplink): 2.4GHz&5GHz Wi-Fi+3GE UNI (1GE uplink): 2.4GHz&5GHz Wi-Fi+2GE	<b>Antenna type</b>	4 internal antennas

## Wi-Fi Specifications

<b>Supported Protocol</b>	IEEE 802.11 b/g/n (2.4GHz) IEEE 802.11 a/n/ac (5GHz)	<b>MIMO</b>	2x2 MIMO (2.4GHz&5GHz)
<b>Antenna gain</b>	2dBi	<b>Air interface rate</b>	300 Mbps (2.4GHz) 867 Mbps (5GHz)
<b>Others</b>	WMM(Wi-Fi MultiMedia); Band steering		

## Feature Highlights

<p><b>Home Network</b></p> <p>Working with gateway for the PremiumWi-Fi solution supports the following features:</p> <ul style="list-style-type: none"> <li>• Plug and play</li> <li>• One-click pairing and automatic networking</li> <li>• Automatic Wi-Fi configuration synchronization</li> <li>• Wi-Fi channel optimization within the home network</li> <li>• Wi-Fi roaming (802.11k/802.11v) within the home network *</li> <li>• 4K over Wi-Fi</li> <li>• Network self-healing</li> <li>• Mesh network (tree type)</li> </ul>	<p><b>Home Network Management</b></p> <p>Working with the NCE supports the following features:</p> <ul style="list-style-type: none"> <li>• Remote management and maintenance</li> <li>• Technician APP**</li> <li>• Management of mobile phone APPs** of users: <ul style="list-style-type: none"> <li>- Installation guide</li> <li>- Visible home network topology</li> <li>- One-click health check</li> <li>- Wi-Fi configuration</li> <li>- Blacklist and parent control</li> </ul> </li> </ul>	<p><b>Smart interconnection</b></p> <ul style="list-style-type: none"> <li>• 2 upstream modes: Ethernet upstream mode and Wi-Fi upstream mode</li> <li>• Working modes: <ul style="list-style-type: none"> <li>- Routing mode (Ethernet upstream transmission, which can be connected to the NCE platform)</li> <li>- Bridging mode (Ethernet or Wi-Fi upstream transmission, supporting 2-level cascading networking)</li> </ul> </li> <li>• Auto-sensing of LAN or WAN on the network port (Internet access available when the network cable is connected to either port)</li> <li>• Auto-detection of Internet access mode (PPPoE/DHCP)</li> </ul>
<p><b>Layer 3 Features</b></p> <ul style="list-style-type: none"> <li>• PPPoE/static IP/DHCP</li> <li>• NAT/NAPT</li> <li>• Port forwarding</li> <li>• ALG, UPnP</li> <li>• DDNS/DNS server/DNS client</li> <li>• IPv6/IPv4 dual stack</li> </ul>	<p><b>O&amp;M</b></p> <ul style="list-style-type: none"> <li>• Web UI</li> <li>• Dual-system software backup and rollback</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>• SPI firewall</li> </ul> <p><b>Power Saving</b></p>	

- Static/default routes

- Compliant with the COC standard


\*: Supported when the STA supports 802.11k or 802.11v.

\*\* : Huawei provides the basic mobile APP version for carriers. Carriers can develop customized features based on the SDK provided by Huawei.

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