

WA8021V5 Datasheet 02

1200Mbps Dual-band Edge ONT

Product Overview

The WA8021V5 is an edge ONT which provides dual-band Gigabit W-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

Dimensions (H x W x D)	65.5mm×105mm×105mm (without pads)	Weight (Without power adapter)	About 195 g
Rated Power Input for Power Adapter	100 - 240 V AC, 50/60 Hz	System power supply	12V DC, 1 A
Static power consumption	3.4 W	Max power consumption	7.8 W
Indicator	1 status indicator	Buttons	Reset and Pairing button
Memory	128MB Flash, 128MB RAM	Installation mode	On the desk
Operating temperature	0°C - +40°C	Operating humidity	5% RH to 95% RH (non-condensing)
Interface	NNI: Wi-Fi or 1GE UNI (Wi-Fi uplink): 2.4GHz&5GHz Wi-Fi+3GE UNI (1GE uplink): 2.4GHz&5GHz Wi-Fi+2GE	Antenna type	4 internal antennas

Wi-Fi Specifications

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

Feature Highlights

Home Network Working with gateway for the PremiumWi-Fi solution supports the following features: • Plug and play • One-click pairing and automatic networking • Automatic Wi-Fi configuration synchronization • Wi-Fi channel optimization within the home network • Wi-Fi roaming (802.11k/802.11v) within the home network * • 4K over Wi-Fi • Network self-healing • Mesh network (tree type)	Home Network Management Working with the NCE supports the following features: • Remote management and maintenance • Technician APP** • Management of mobile phone APPs** of users: – Installation guide – Visible home network topology – One-click health check – Wi-Fi configuration – Blacklist and parent control	Smart interconnection • 2 upstream modes: Ethernet upstream mode and Wi-Fi upstream mode • Working modes: – Routing mode (Ethernet upstream transmission, which can be connected to the NCE platform) – Bridging mode (Ethernet or Wi-Fi upstream transmission, supporting 2-level cascading networking) • Auto-sensing of LAN or WAN on the network port (Internet access available when the network cable is connected to either port) • Auto-detection of Internet access mode (PPPoE/DHCP)
Layer 3 Features • PPPoE/static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack • Static/default routes	O&M • Web UI • Dual-system software backup and rollback Security • SPI firewall Power Saving • 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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Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base Bantian,
Longgang Shenzhen 518129 People's
Republic of China

Website: www.huawei.com