

1GE+1FE+WiFi(Mesh)

Wireless Router ONT-2GE-DW-MESH

Datasheet



Wi-Fi 5

2.4G/5G Dual Band

Easy Mesh

1. Product Overview

The Dual Band 802.11ac wireless router devices ONT-2GE-DW-MESH delivers high performance wireless connectivity for Small Office and Home(SOHO) deployments and support dual band concurrent operation at 2.4GHz and 5GHz with combined throughput of 1.2Gbps(300Mbps at 2.4GHz and 867Mbps at 5GHz). ONT-2GE-DW-MESH support Wi-Fi EasyMesh that brings a standards-based approach to Wi-Fi networks that utilize multiple access points (APs), combining the benefits of easy to use, self-adapting Wi-Fi with greater flexibility in device choice that comes with interoperable Wi-Fi EasyMesh devices.

2. Product appearance features

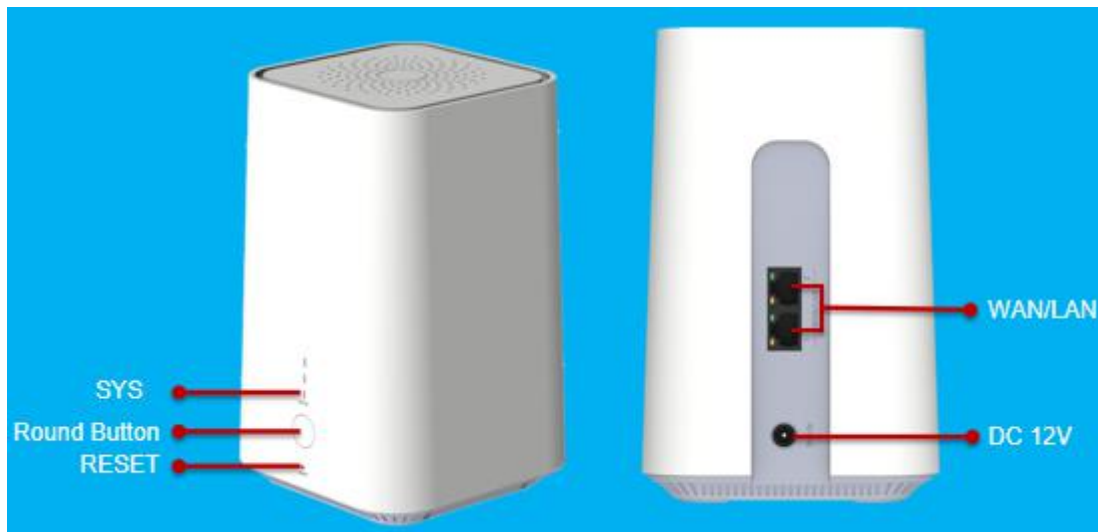


Figure 1 1GE+1FE+1POTS+WiFi4/5 HGU

3 Application Chart

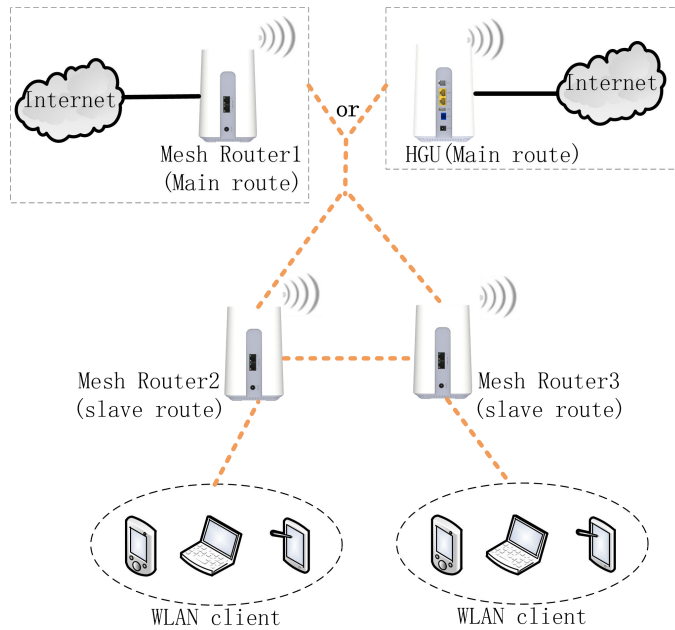


Figure 2 Application Chart

4 Technical parameters

Technical item	1*GE+1*FE+WiFi
LAN interface	2*10/100/1000Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
WiFi interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.400-2.483GHz (WiFi 4) 5.0GHz Operating frequency: 5.150-5.825GHz (WiFi 5 wave 2) WiFi: MIMO 2×2 For 2.4GHz, MIMO 2×2 For 5.0GHz, 4×5dBi external antenna, rate up to 1.166Gbps, Multiple SSID TX power: 11n--22dBm/11ac--24dBm
LED	3, For Status of SYS, LAN1, LAN2
Operating Enviroment	Temperature: 0℃ ~+50℃ Humidity: 10%~90% (non-condensing)
Storing Enviroment	Temperature: -30℃ ~+60℃ Humidity: 10%~90% (non-condensing)
Power Supply	DC 12V/1A, 10W
Dimension	115mm×115mm×180m(L×W×H)
Net weight	560g

Table 2 Technical parameters

- **Panel lights**

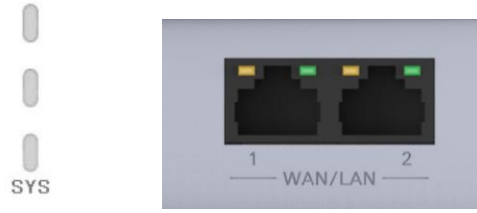


Figure 3 Panel lights on

■ Interface description

LED	Mark	Status	Description
System	SYS	Off	The device is not running.
		On	Green: WAN connected or mesh connected.
			Orange: The device is on slave route mode.
			Red: The device is starting.
		Blink	Green: Mesh is not connected or connecting.
Orange: WAN is connecting.			
Ethernet	WAN /LAN	On	Port is connected properly.
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data.

Table 3 Interface description

● Interface/button Panel



Figure 4 Interface/button Panel

Name	Function
WAN/LAN	Connect PC or other devices with Ethernet port by Cat5 cable, RJ-45 connector.
DC 12V	Connect with power adapter. DC 12V, 1.5A.
Round button	Press button quickly to form a network with other mesh devices.
RST	Press RST button over 10 seconds to restore router to factory default.

Table 4 Interface/button Panel

5 Software function

Fuction	Description
Management Mode	WEB
Data Service Functions	Full speed non-blocking switching 2K MAC address table Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc Support auto polarity detection of Ethernet ports (AUTO MDIX) Integrated IEEE802.1p QoS with four level priority queues Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy Support bridge, router and bridge/router mixed mode
WiFi Service Functions	Integrated 802.11b/g/n/ac Support max 128 users Support Wi-Fi CERTIFIED EasyMesh Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) Modulation type: DSSS、 CCK and OFDM Encoding scheme: BPSK、 QPSK、 16QAM and 64QAM
WAN Function	PPPoE,DHCP Client,Static IP