

iGATE EW302S

WiFi 6 Mesh Access Point

iGate EW302S is a WiFi access point that creates a wireless local area network (WLAN) to share high-speed internet connection for user devices. Each **iGate EW302S** device is an access point which sends and receives data.

iGate EW302S uses advanced WiFi technology standard 802.11 ax, with wifi speed up to 3 Gbps, works simultaneously on 2 bands of 2.4GHz and 5GHz, allowing users to fully enjoy high quality services, such as online games, virtual reality games, or 4K videos.

iGate EW302S provides the capability of connecting a large number of devices simultaneously. Besides, new security standard WPA3 increases the system's security level, which helps prevent attacks that usually happen to WPA2.

Especially with Mesh features, devices combine together to create a single mesh network, expanding the connected area significantly with no "disconnected" area. Users can add up to 10 mesh nodes, creating seamless experience with stable connection at anytime and anywhere in the house.

The device targets households, offices, SMEs, can be placed standing or mounted to the wall, and is designed tactfully with white color.

iGate EW302S allows deploying flexible WAN connections (Ethernet or Wifi repeater) and can automatically select smart WAN connection.

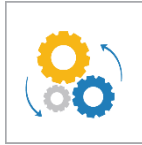


PRODUCT HIGHLIGHTS



High reliability

Stable Operation
High Throughput
High Transmit Power



Easy Management

WebGUI/CLI
Mobile app
Cloud



Global Standards

IEEE 802.11b/g/n/ax@2.4G
IEEE 802.11a/n/ac/ax@5G
IEEE 802.11k/v
IEEE 802.11e Wireless
Multi-Media QoS



Flexible Configuration

Remote config
Local config
Simple Expand



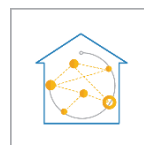
Multi-WAN

Wireless
Ethernet
Repeater



Mesh Wifi

Single SSID
Seamless Wi-Fi
Adaptive path selection



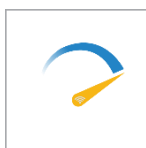
3D Antenna

Vertical & Horizontal
Penetrating



Seamless Roaming

Seamless connectivity



High Speed

Up to 3 Gbps
(Dual Band)



Home Wi-Fi

User Access Control



Security

Enhanced security with
WPA3



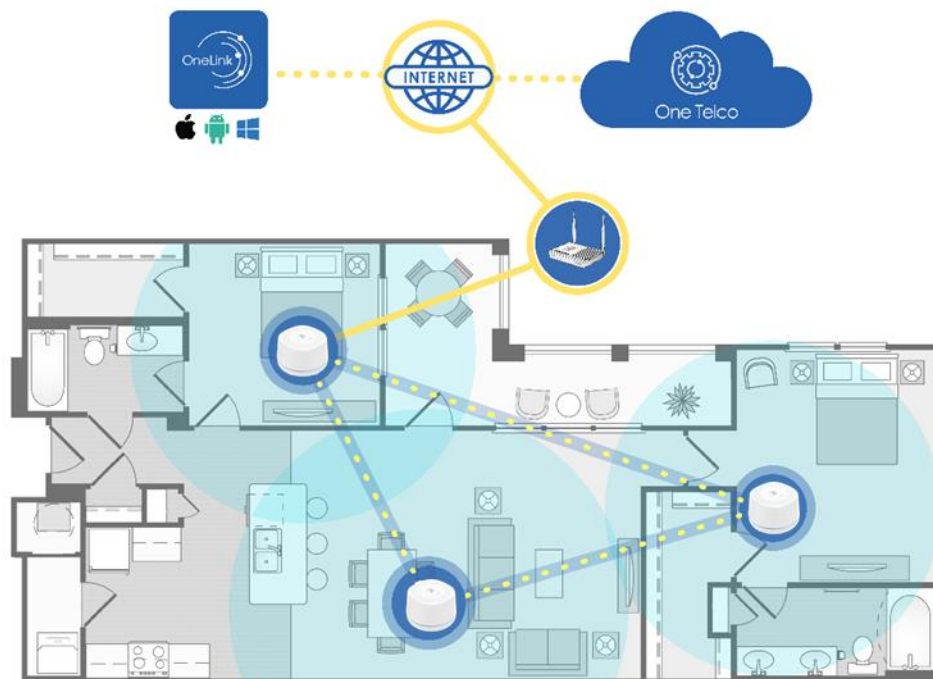
Connectivity

Large number of devices
Various types of devices supported

TYPICAL DEPLOYMENT MODELS

Deploy Multiple APs as Mesh network

An iGate EW302S connect to an Internet Gateway (ONT, Router) via Ethernet or Wi-Fi Repeater. Other iGate EW302S devices connect with each other via Wi-Fi to setup Mesh Network. All iGate EW302S devices can be managed remotely via Mobile App or Cloud.



FEATURES

Wireless features

- Operating Mode: AP, Repeater, Mesh (MRE-CAP)
- Active Dual Band: 2.4 GHz & 5 GHz
- Band Steering, auto switch between 2 bands
- Mesh features:
 - Automatically establish mesh connection
 - Auto synchronize configuration
 - Adaptive Path Selection
 - Load Balancing
 - Seamless Roaming
 - Allow to add multi slave node (pairing) simultaneously

Security

- WPA-PSK, WPA2-PSK, WPA3-SAE
- AES Encryption
- MAC Filtering

Multi-WAN

- Wireless WAN connectivity (support Dual Band 2.4GHz & 5GHz)
- Ethernet WAN Connectivity
WAN Connectivity using Repeater from available SSIDs

Network

- Forward & Routing Traffic: Bridging/ Routing/ Static routing
- DHCP Server/DHCPv6 Server
- PPPoE Client
- VPN Passthrough (IPSEC, PPTP, L2TP)
- VPN (L2TP/PPTP) service
- VLAN
- IPv4/IPv6 Dual Stack, IPv4 only, IPv6 only
- NAT
- Bridge
- Port Forwarding
- DNS

Management

- Local Management with WebGUI/CLI
- Remote Management with Mobile App/Cloud
- Device Information, Connection Statistic, Station monitoring
- Diagnostics Tool: Ping, Trace, Log
- Upgrade FW via Web, Mobile app and Cloud
- Backup, Restore Configuration

Home Wi-Fi

- URL Filtering
- Time Restriction
- LED Control (ON/OFF, Schedule)
- Group Access Management

TECHNICAL SPECIFICATIONS

Hardware

CPU	CPU Mediatek MT7981 Dual-Core ARM Cortex – A53 1.3GHz
RAM	256 MB DDR3
Flash	128MB NAND

Wi-Fi

IEEE Standards	802.11 a/b/g/n/ac/ax 802.11k/v 802.11e Wireless Multi-Media QoS
Frequency	2.412 - 2.472 GHz 5.18 - 5.825 GHz
Channel	2.4GHz: 20/40 MHz
Bandwidth	5GHz: 20/40/80/160 MHz
Radio	Dual Radio 2.4GHz: MIMO 2x2:2 5GHz: MIMO 3x3:2
Antenna	03 x Internal Omni Dual-Band 3 dBi antenna gain
Max EIRP	26 dBm @ 2.4GHz 25 dBm @ 5GHz
SSID	Up to 4 SSIDs (2 SSIDs/radio) Support guest SSID
CCU	Up to 100 Users

Interface

WAN	1x 10/100/1000 Mbps RJ-45 Ethernet WAN Port
LAN	1x 10/100/1000 Mbps RJ-45 Ethernet LAN Port
Button	01 x Reset/WPS

Power

Types	DC 12V-1.5A
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Others

Operating temperature	0°C ÷ 40°C
Operating humidity	10% ~ 95%
Mounting	Standing/Wall
Dimension	φ122x76.2 mm

MANAGEMENT SYSTEM – ONE TELCO PLATFORM

Support management:

- Compatible with iGate Mesh Wifi 5/6 to form a complete Indoor Mesh Access Point solution:
 - Web Service: One Mesh Cloud Controller
 - Management Protocol: TR-069

Optimal investment costs:

- CAPEX: Data Center, Server, etc.
- OPEX: Operating, Maintenance, etc.

Main Features:

- Devices Management: List devices, Group devices
- Configuration Management: Remote Config/Command, Firmware Update, Configuration Backup/Restore
- Report Management: Collect, Analysis, Alarm
- Performance Management: Collect, Performance Statistics

Advantages:

- “Zero Touch” - automatic device configuration
- Import Data Model via file
- Build Data Model via interactive information from the device
- Micro Service Architecture, easy to extend new protocol & devices
- Flexible Deployment:
 - ❖ Deployment model: Hosted or on premise
 - ❖ Deployment scalability
 - + Distributed deployment
 - + Deployment on Cloud, Virtualization
 - + Vertical & Horizontal scaling
- Open interface via REST API, JSON
- Easy to customize and integrate according to customer requirements

DEVICE MANAGEMENT MOBILE APP

- **Support Management:**
 - Remote Management via internet (integrate with ONE Telco Platform)
 - Local Management
- **Main Features:**
 - Automatically connect to the network and search for iGate Mesh WiFi 5/6 devices
 - Device Status Management, Network Quality, User Information
 - Initialize and Configure devices
 - Firmware Upgrade
 - Reset factory/Reboot

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

 **Address:** 1st floor, VNPT Technology Building, No. 124, Hoang Quoc Viet Str., Cau Giay Dist., Hanoi, Vietnam



Switchboard: 19001525

Branch 1: ONT products and Smartbox MyTV

Branch 2: Other products

Branch 3: Warranty information

Branch 4: Business contact



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