

# EVO4000GW Wi-Fi 6 Gateway

## Multi Gigabit Network DOCSIS 3.1 with Wi-Fi 6

EVO4000GW DOCSIS 3.0/3.1 Gateway with integrated Wi-Fi 6 AP Router provides extreme speed while enabling operators to build their networks around standardization and services ecosystem. Premium services demand is increasing hand-in-hand with traffic growth for HD/UHD video streaming and complex internet usage. Embedded Wi-Fi 4x4 11ax, 5GHz, 4x4, 2.4GHz enhances wireless network as well. Operators can deploy multi-gigabit services over their existing Hybrid Fiber Coax networks, while providing value added services on top. Service providers can leverage Evolution Digital's device manager SaaS platform (eDM Broadband operator tool + eDM Wi-Fi customer mobile application) to reduce support costs.

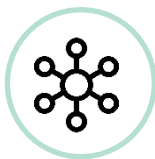


## KEY FEATURES

- Open Source, Latest Mainline OpenWrt based
- DOCSIS 3.1 Standard Compliant
- 2 OFDM x 2 OFDMA
- SC-QAM DS 32 x US 8 Channel bonding
- Intelligent Mesh
- Roadmap to EasyMesh R2 certification upon industry readiness (1H 2021)
- 1.2GHz Full capture tuner
- Auto Switchable Diplexer
- Remote Diagnostics /Monitoring



802.11ax  
(Wi-Fi 6)



2 OFDM x 2  
OFDMA



Compatible with  
DOCSIS 3.0 &  
3.1



Remote  
Diagnostics / Monitoring



IPv4/IPv6  
dual stack support

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## Highlighted Advanced Features

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- Built on Mainline OpenWrt (ver 19.07.1)  
+ VAS (Advanced PR, Security Agent, etc.)
- WiFi Mesh, WiFi InSight\*, eRouter, NAS
- Real time remote management
- LXC, Secure Boot, IPv6, Ethernet WAN
- Remote Diagnostics (Up/Down Spectrum Analyzer)
- MoCA 2.0\*

## Compliance/Certificates

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- CableLabs (DOCSIS 3.1)
- WiFi Alliance
- RoHS
- WEEE
- CE
- ECO mode CoC v4 support

## WLAN

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- Wi-Fi AP with 4x4 (11ax, 2.4G), 4x4 (11ax ,5G)
- dual-band concurrent, 11ax MU-MIMO
- 20/40/80/160MHz channels, 1024 QAM
- Multi SSIDs
- IAS (Intelligent Airtime Scheduling), Band Steering, Hotspot 2.0

## Security/Safety

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- Firewall, VPN, MAC based filtering, NAT, VLAN
- Port-Forwarding, IP address filtering
- Security/Encryption modes (Wi-Fi):
- WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES)
- DoS Attack Protection (TCP, UDP)
- Advanced Digital Parenting
- IEEE 802.1x client, 802.11i

## Management/ Diagnostics/ Configuration

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- SNMP, TFTP, FTP
- TR-069, TR-181
- WEB/UI (HTTP/HTML)

## DOCSIS Specification

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- DOCSIS/ Euro DOCSIS 3.0 (32x8)
- DOCSIS/ Euro DOCSIS 3.1 (2x2)
- 2 OFDM, 32 single-carrier QAM D/S channel w/ 1.2GHz FBC (Full Band Capture) front-end
- 2 OFDMA and 8 single-carrier QAM U/S channel w/ integrated PowerDAC
- Dual 192MHz OFDM D/S (4096 QAM support)
- Two 96MHz OFDM block U/S (4096 QAM)
- 32 single-carrier QAM D/S (1024 QAM)
- 8 single-carrier QAM U/S (256 QAM)

## Network

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- IPv4/IPv6 support, DSLite
- IGMP(v2/3), MLD (V1/2)
- IGMP Snooping, VLAN IEEE 802.1q
- QoS : IEEE 802.1p, IPv4/IPv6, MAC, Part and DiffServ,
- WMM, WRED, WRR, Leaky Bucket Shaper Schedule
- VPN Pass-Through (L2TP, PPTP/IPSec)
- DHCP v4/v6 server/client
- DNS Proxy
- Dynamic and Static NAT-NAPT

## Voice

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- PacketCable/EuroPacketCable 1.0, 1.1
- PacketCable/EuroPacketCable 2.0 with SIP
- T-38 FAX
- G.711a, G.711u, G.729ab
- In-band, out-band DTMP
- Echo Cancelation

## Interface

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- Front Panel
  - LEDs
- Back Panel
  - Cable In(Coax.), Power input
  - 4 GbE LAN Ports(RJ-45), 2.5GbE LAN
  - 1 USB 3.0, Reset hole
  - 2 FXS (RJ-11)

## Mechanical & Environmental Specification

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- Wall Mountable Chassis
- Operating Temperature : 0°C (32°F) ~ 40°C (104°F)
- Storage Temperature : -40°C (-40°F) ~ 70°C (158°F)
- Humidity : 10 ~ 90% (Non-condensing)
- Dimensions (W x D x H mm) : 190 X 65 X 235 mm