

CM4676442

DOCSIS® 3.1 Dual-band AX6000 Wi-Fi Voice Gateway



Description

CM4676442 is a DOCSIS® 3.1 capable Wi-Fi voice gateway offering up to 5 Gigabit download speeds and VoIP functions for both residential and small business market.

CM4676442 also integrates next generation dual-band Wi-Fi 802.11ax, which offers premium Wi-Fi performance. By utilizing WFA certified EasyMesh technology, OWL™, you can enjoy the best Wi-Fi experience without any interruption of data transmission in a home, apartment or SOHO. The addition of bonded MoCA 2.0 and IoT radio also provides added customer flexibility.

All of this in the most compact, heat efficient design available for your data, video or voice services.



Hardware Configuration

- 2x2 OFDM and OFDMA DOCSIS® 3.1 channels, 32x8 SC-QAM DOCSIS® 3.0 channels
- Switchable upstream filters for 5-42/85MHz operation
- Fixed downstream for 108-1002MHz operation
- 1.2GHz Full Capture Bandwidth Tuner
- 4 port Gigabit Ethernet (RJ45)
- 2 FXS port for telephony (RJ11)
- 4x4 2.4 GHz 802.11ax and 4x4 5GHz 802.11ax
- 1 USB 3.0 host port
- PacketCable™ 1.5 and 2.0 compliant
- MoCA 2.0 bonded
- IoT functionality including Bluetooth, Zigbee/Thread
- Support RDK-M
- Arcadyan OWL 2.0 (EasyMesh™)
- CableLabs CW126 certification

Technical Specifications

System	
DOCSIS® SoC	BCM3390S Dual core 1.5GHz processor
WiFi	BCM43684*2 (4x4 11ax + 4x4 11ax)
RAM	1GB DDR3 RAM (512MB*2)
Flash	512MB NAND Flash
Wi-Fi Standard	802.11ax, backward compatible to 802.11ac/n/a/b/g
I/O Port	1 x DC power jack 1 x RF interface (75ohm F-type) to bi-directional HFC network 4 x RJ45 10/100/1000 Based-T Ethernet LAN 2 x FXS ports for VoIP service 1 x USB3.1 Gen1 host port
Buttons	1 x WPS, 1 x Reset
LED Indicator	Power, DS, US, Online, Voice, LAN, Wi-Fi, MoCA, Battery
Dimensions (H*D*W)	205*135*120 mm
Power (External adapter)	Input: 100V-240Vac 50/60Hz Output: 12V/4A
RF Downstream	
Bonded Channels	Up to 2 OFDM DOCSIS 3.1 channels or 32 SC-QAM DOCSIS 3.0 channels
Tuner Configuration	1.2GHz full band capture tuning range
Frequency Range	108MHz – 1002MHz
Data rate	Up to 5Gbps
RF Upstream	
Bonded Channels	Up to 2 OFDMA DOCSIS 3.1 channels or 8 SC-QAM DOCSIS 3.0 channels
Frequency Range	5MHz – 42MHz / 5MHz – 85MHz switchable
Data rate	Up to 1Gbps

For more information on our products, please visit: www.electroline.com or call: 800-461-3344

Technical Specifications

Wireless	
Frequency Range	2.4GHz and 5GHz
Data Rate	Up to 6000Mbps (1200Mbps 2.4GHz 11ax + 4800Mbps 5GHz 11ax under 160MHz)
Wi-Fi Security Level	WPA-PSK/WPA2-PSK (TKIP/AES)
QoS	WMM/WMM-PS
IoT Radio	BT5.0, BLE, Zigbee 3.0, Thread 1.1
Antenna	4 internal dual-band antenna
Voice Function	
PacketCable	Complied with PacketCable 1.5/2.0
Signaling Protocol	SIP/SIP-TLS
Call Feature	Single tone, Ring stream, Caller number display and restriction, call forwards (no-condition, no-answer, busy, not-online)
Speech Codecs	ITU-T G.711, G.722, G.723, G.726, G.729
Echo Cancellor	ITU-T G.165, G.168
Other Features	Caller ID (DTMF/FSK), Fax relay (T.30/T.38), DQoS Lite
Others	
Mesh Wi-Fi Functionality – Arcadyan OWL™	
Compliant with Wi-Fi Alliance EasyMesh™ R1	
Band steering, Seamless roaming, Auto channel selection	
RDK-M open source software platform	
Bonded MoCA 2.0, expended range of operating frequencies – 1125MHz to 1675MHz	

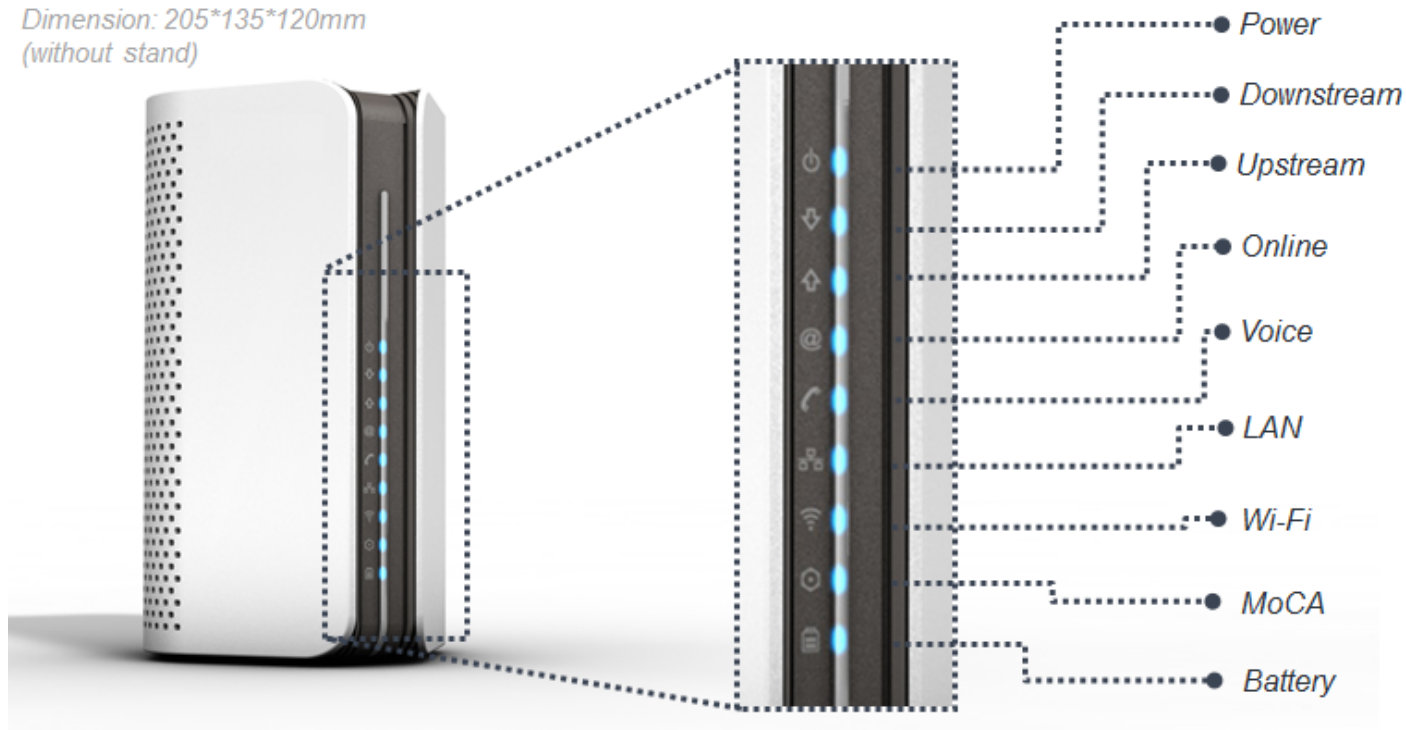
All specifications are subject to change without notice.

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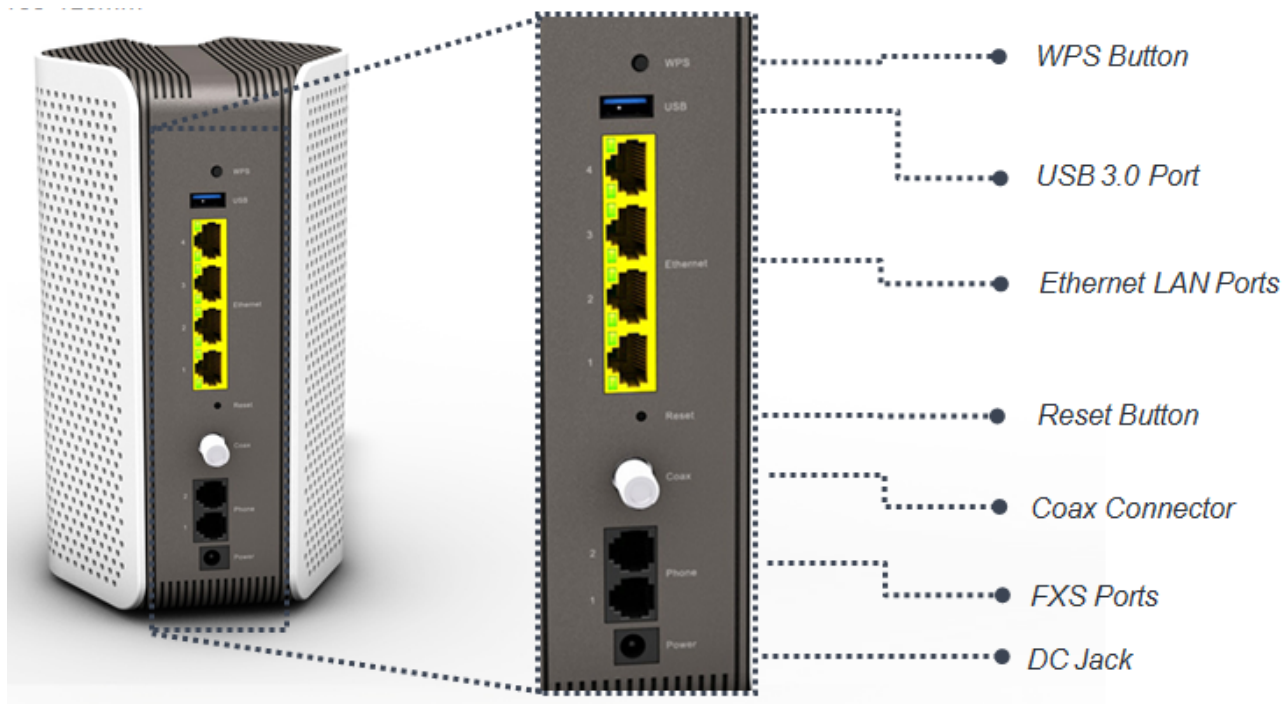
Industrial Design

Front View

Dimension: 205*135*120mm
(without stand)



Back View



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