

# CM4050002

## DOCSIS® 3.1 2.5G EMTA

Cable Modem



### Description

CM4050002 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.

CM4050002 supports fixed downstream for 258-1218MHz, and configurable upstream filters for 5-85MHz & 5-204MHz switchable operation. In addition, CM4050002 also integrates with two port 1G Ethernet, two FXS port for telephony, and also one port 2.5G Ethernet to offer higher in-home data transmission.

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 5-85/204MHz operation
- Fixed downstream for 258-1218MHz operation
- 1.2GHz Full Capture Bandwidth Tuner
- 2 port 1G Ethernet (RJ45)
- 1 port 2.5G Ethernet (RJ45)
- 2 FXS port for telephony (RJ11)
- PacketCable™ 1.5 and 2.0 compliant
- Optional External Battery

## Technical Specifications

System	
DOCSIS® SoC	BCM3390V Dual core 1.5GHz processor
RAM	256MB DDR3 RAM
Flash	128MB NAND Flash
I/O Port	1 x DC power jack 1 x RF interface (75ohm F-type) to bi-directional HFC network 2 x RJ45 10/100/1000Mbps Ethernet LAN (optional) 1 x RJ45 2.5G/1G/100Mbps Ethernet LAN 2 x FXS ports for VoIP service
Buttons	1 x WPS, 1 x Reset
LED Indicator	Power, Online, Voice, Battery
Dimensions (H*D*W)	200*165*70 mm (with stand)
Power (External adapter)	Input: 100V-240Vac 50/60Hz
Battery Backup (Optional)	External battery to support 24hours standby

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	258MHz – 1218MHz
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 – 85MHz / 5MHz – 204MHz switchable
Data Rate	Up to 2Gbps

## Technical Specifications

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 Canceller	ITU-T G.165, G.168
Other Features	Caller ID (DTMF/FSK), Fax relay (T.30/T.38), DQoS Lite

All specifications are subject to change without notice.

For more information on our products, please visit: [www.electroline.com](http://www.electroline.com) or call: 800-461-3344