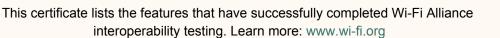


# Wi-Fi CERTIFIED® Certificate





### **Certification ID: WFA113839**

### **Product Info**

Date of Certification	October 19, 2021
Company	Vantiva
Product Name	CBR2-T DOCSIS Cable Gateway
Product Model Variant	CGA4332COM
Model Number	CGA4332COM
Category	Routers
Sub-category	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)

#### **Summary of Certifications**

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Network management	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2 <sup>™</sup> -Enterprise 2018-04 WPA2 <sup>™</sup> -Personal 2021-01 WPA3 <sup>™</sup> -Enterprise 2020-02 WPA3 <sup>™</sup> -Personal 2020-02 Wi-Fi Enhanced Open <sup>™</sup> 2021-01
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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Role: Access Point		Pa	age 2 of 3
Wi-Fi Components			
Wi-Fi Component Operating System	<b>RF Architecture</b>		
Linux	Bands Supported	Transmit (Tx)	Receive (Rx)
Wi-Fi Component Firmware	2.4 GHz	4	4
OBFC21.1 + WLAN20.1.1P2	5 GHz	4	4
	5 612	4	4
Certifications			
2.4 GHz Spectrum Capabilities	WPA2™-Personal	2021-01	
20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz	WPA3™-Enterpris	e 2020-02	
	EAP methods		
5 GHz Spectrum Capabilities			_
20 MHz Channel Width in 5 GHz	WPA3™-Personal	2020-02	
40 MHz Channel Width in 5 GHz	Wi-Fi Agile Multib	and™	
80 MHz Channel Width in 5 GHz 160 MHz Channel Width in 5 GHz	Wi-Fi CERTIFIED	6®	
Protected Management Frames	4 antenna support		
	A-MPDU with A-MSDU Basic Trigger frame in H	IE MU PPDU	
WMM®	BSRP Trigger frame		
WMM®-Power Save	DL MU-MIMO DL OFDMA		
Legacy Power Save	Individual Target Wake	Time	
Unschedule auto PS	LDPC Rx LDPC Tx		
	MCS 8-9 Rx		
WPA2™-Enterprise 2018-04	MCS 8-9 Tx MCS 10-11 Rx		
EAP methods	MCS 10-11 Tx		
	MU EDCA Parameter So	et element	

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## Wi-Fi CERTIFIED® Certificate

**Certification ID: WFA113839** 



### **Role: Access Point**

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MU-BAR Trigger frame         Operating mode subfield in A-Control field         Operating mode indication         VirPi CERTIFIED***         Wi-Fi CERTIFIED***         Wi-Fi CERTIFIED***         Wi-Fi CERTIFIED***         Wi-Fi CERTIFIED***         MU-MINO         LDPC Rx         LDPC Tx         MC-Fi CERTIFIED***         Wi-Fi CERTIFIED***         Wi-Fi CERTIFIED***         Wi-Fi CERTIFIED***         Wi-Fi CERTIFIED***         Mi-Fi CERTIFIED***         Mi-Fi CERTIFIED***         OBSS on Extension Channel         Short Guard Interval         STBC         AMPDU Tx	Wi-Fi CERTIFIED 6® (continued)	Wi-Fi Enhanced Open™ 2021-01
MU-RTS Trigger frame   Operating mode subfield in A-Control field   Operating mode UL MU Rx   SU beamformer   SU-MIMO   TXOP RTS Threshold   UL OFDMA     Wi-Fi CERTIFIED <sup>™</sup> a   Wi-Fi CERTIFIED <sup>™</sup> a   Extended 5 GHz Channel Support   A-MPDU with A-MSDU   DL MU-MIMO   LDPC Rx   LDPC Rx   Stb beamformer   SU beamformer   Wi-Fi CERTIFIED <sup>™</sup> b   StBC   StD beamformer   OBSS on Extension Channel   Short Guard Interval   STBC	MU-BAR Trigger frame	Wi-Fi Protected Setup™
Operating mode indication   Operating mode UL MU Rx   SU-MIMO   SU-MIMO   TXOP RTS Threshold   UL OFDMA     Wi-Fi CERTIFIED <sup>TM</sup> a   Extended 5 GHz Channel Support   A-MPDU with A-MSDU   DL MU-MIMO   LDPC Tx   MCS 8-9 Rx   Short Guard Interval   STBC   Wi-Fi CERTIFIED <sup>TM</sup> g   Wi-Fi CERTIFIED <sup>TM</sup> g   Wi-Fi CERTIFIED <sup>TM</sup> n   OBSS on Extension Channel   Short Guard Interval   STBC   State and interval   STBC   State and interval   STBC   Stard Interval   STBC   State and Interval   STBC	MU-RTS Trigger frame	
Operating mode UL MU Rx   SU beamformer   SU-MIMO   TXOP RTS Threshold   UL OFDMA     Wi-Fi CERTIFIED <sup>TM</sup> a   Wi-Fi CERTIFIED <sup>TM</sup> ac   Extended 5 GHz Channel Support   A-MPDU with A-MSDU   DL MU-MIMO   LDPC Rx   LDPC Tx   MCS 8-9 Rx   Short Guard Interval   STBC   Wi-Fi CERTIFIED <sup>TM</sup> b   Wi-Fi CERTIFIED <sup>TM</sup> b   OBSS on Extension Channel   Short Guard Interval   STBC		
SU beamformer SU-MIMO TXOP RTS Threshold UL OFDMA WI-FI CERTIFIED <sup>TM</sup> a WI-FI CERTIFIED <sup>TM</sup> ac Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC SU beamformer WI-FI CERTIFIED <sup>TM</sup> b WI-FI CERTIFIED <sup>TM</sup> g WI-FI CERTIFIED <sup>TM</sup> n		Pushbutton
SU-MIMO TXOP RTS Threshold UL OFDMA WI-FI CERTIFIED™ a Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC WI-FI CERTIFIED™ b WI-FI CERTIFIED™ g OBSS on Extension Channel Short Guard Interval STBC		
XOP RTS Threshold         UL OFDMA         Wi-Fi CERTIFIED™ a         Wi-Fi CERTIFIED™ ac         Extended 5 GHz Channel Support         A-MPDU with A-MSDU         DL MU-MIMO         LDPC Rx         LDPC Rx         Short Guard Interval         STBC         SU beamformer         Wi-Fi CERTIFIED™ b         Wi-Fi CERTIFIED™ b         Wi-Fi CERTIFIED™ b         STBC         SU beamformer         DBSS on Extension Channel         Short Guard Interval         STBC         Strace		
UL OFDMA Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC SU beamformer Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g		
Wi-Fi CERTIFIED™ ac         Extended 5 GHz Channel Support         A-MPDU with A-MSDU         DL MU-MIMO         LDPC Rx         LDPC Tx         MCS 8-9 Rx         Short Guard Interval         STBC         SU beamformer         Wi-Fi CERTIFIED™ b         Wi-Fi CERTIFIED™ g         Wi-Fi CERTIFIED™ n         OBSS on Extension Channel Short Guard Interval STBC         StBC         StBC         StBC         StBT		
Wi-Fi CERTIFIED™ ac         Extended 5 GHz Channel Support         A-MPDU with A-MSDU         DL MU-MIMO         LDPC Rx         LDPC Tx         MCS 8-9 Rx         Short Guard Interval         STBC         SU beamformer         Wi-Fi CERTIFIED™ b         Wi-Fi CERTIFIED™ g         Wi-Fi CERTIFIED™ n         OBSS on Extension Channel         Short Guard Interval         STBC         SU beamformer		
Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC SU beamformer Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ g OBSS on Extension Channel Short Guard Interval STBC	Wi-Fi CERTIFIED™ a	
Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC SU beamformer Wi-Fi CERTIFIED <sup>™</sup> b Wi-Fi CERTIFIED <sup>™</sup> g Wi-Fi CERTIFIED <sup>™</sup> n		
A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC VI-FI CERTIFIED™ b VI-FI CERTIFIED™ g VI-FI CERTIFIED™ g OBSS on Extension Channel Short Guard Interval STBC	Wi-Fi CERTIFIED™ ac	
A-MPDU with A-MSDU DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Short Guard Interval STBC SU beamformer Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n OBSS on Extension Channel Short Guard Interval STBC	Extended 5 GHz Channel Support	
DL MU-MIMO LDPC Rx LDPC Tx MCS 8-9 Rx Shot Guard Interval STBC WI-FI CERTIFIED™ b WI-FI CERTIFIED™ g WI-FI CERTIFIED™ g OBSS on Extension Channel Shott Guard Interval STBC		
LDPC Tx MCS 8-9 Rx Short Guard Interval STBC SU beamformer WI-FI CERTIFIED™ b WI-FI CERTIFIED™ g WI-FI CERTIFIED™ g OBSS on Extension Channel Short Guard Interval STBC		
MCS 8-9 Rx   Short Guard Interval   STBC   SU beamformer     Wi-Fi CERTIFIED™ g   Wi-Fi CERTIFIED™ n   OBSS on Extension Channel   Short Guard Interval   STBC	LDPC Rx	
Short Guard Interval   STBC   SU beamformer     Wi-Fi CERTIFIED™ g   Wi-Fi CERTIFIED™ n   OBSS on Extension Channel   Short Guard Interval   STBC	LDPC Tx	
STBC         SU beamformer         Wi-Fi CERTIFIED™ b         Wi-Fi CERTIFIED™ g         Wi-Fi CERTIFIED™ n         OBSS on Extension Channel         Short Guard Interval         STBC	MCS 8-9 Rx	
SU beamformer Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n OBSS on Extension Channel Short Guard Interval STBC		
Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n OBSS on Extension Channel Short Guard Interval STBC		
Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n OBSS on Extension Channel Short Guard Interval STBC	SU beamformer	
Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n OBSS on Extension Channel Short Guard Interval STBC		
Wi-Fi CERTIFIED™ n OBSS on Extension Channel Short Guard Interval STBC	Wi-Fi CERTIFIED™ b	
OBSS on Extension Channel Short Guard Interval STBC	Wi-Fi CERTIFIED™ g	
Short Guard Interval STBC	Wi-Fi CERTIFIED™ n	
Short Guard Interval STBC	OBSS on Extension Channel	
A-MPDU Tx	STBC	
	A-MPDU Tx	

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