



# Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org/certification/programs](http://www.wi-fi.org/certification/programs)

## Certification ID: WFA64729

### Product Info

<b>Date of Certification</b>	March 15, 2016
<b>Company</b>	Vantiva
<b>Product Name</b>	E653
<b>Product Model Variant</b>	2016-03-15 (WFA64729 - merged)
<b>Model Number</b>	HGW-500BA-Q5
<b>Category</b>	Gaming, Media & Music
<b>Sub-category</b>	Media Adapter

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Wi-Fi Protected Setup™
<b>Connectivity</b>	5 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ n
<b>Optimization</b>	WMM®
<b>Security</b>	Protected Management Frames WPA2™-Personal
<b>Spectrum &amp; Regulatory Features</b>	Spectrum & Regulatory

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# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA64729



Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux, version:2.6.35.12

### Wi-Fi Component Firmware

36.7.5.36

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
5 GHz	4	4

## Certifications

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
 40 MHz Channel Width in 5 GHz  
 80 MHz Channel Width in 5 GHz

### Protected Management Frames

### WMM®

### WPA2™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
 LDPC Rx  
 LDPC Tx  
 MCS 8-9 Rx  
 Short Guard Interval  
 SU beamformer

### Wi-Fi CERTIFIED™ n

OBSS on Extension Channel  
 RIFS

### Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval  
 A-MPDU Tx

### Wi-Fi Protected Setup™

PIN  
 Pushbutton

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# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA64729



Role: Station

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## Wi-Fi Components

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### Wi-Fi Component Firmware

36.7.5.36

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
5 GHz	4	4

## Certifications

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
 40 MHz Channel Width in 5 GHz  
 80 MHz Channel Width in 5 GHz

### Protected Management Frames

### Spectrum & Regulatory

802.11h

### WMM®

### WPA2™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
 LDPC Rx  
 MCS 8-9 Rx  
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### Wi-Fi CERTIFIED™ n

A-MPDU Tx  
 OBSS on Extension Channel  
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