



# 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: WFA51505

### Product Info

<b>Date of Certification</b>	December 16, 2013
<b>Company</b>	Panasonic Holdings Corporation
<b>Product Name</b>	Set Top Box
<b>Product Model Variant</b>	2013-12-16 (WFA51505 - 1482233)
<b>Model Number</b>	TZ-HDW610PW
<b>Category</b>	Televisions & Set Top Boxes
<b>Sub-category</b>	Set Top Box, Media Extender (includes players & recorders)

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Wi-Fi Protected Setup™
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
<b>Optimization</b>	WMM®
<b>Security</b>	WPA2™-Personal
<b>Spectrum &amp; Regulatory Features</b>	Spectrum & Regulatory

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Proprietary / Other, version:8.1, description: FreeBSD

### Wi-Fi Component Firmware

ver1.3

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### 5 GHz Spectrum Capabilities

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

### Spectrum & Regulatory

802.11h

### WMM®

### WPA2™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

### Wi-Fi CERTIFIED™ n (continued)

STBC  
A-MPDU Tx  
Short Guard Interval

### Wi-Fi Protected Setup™

PIN  
Pushbutton

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