

Transfer of TI's Wi-Fi[®] Alliance Certifications to CC3x00and CC3x20-Based Products Using the WFA Derivative Certification Policy

Embedded Processing Applications

ABSTRACT

This document explains how to employ the Wi-Fi[®] Alliance (WFA) derivative certification transfer policy [1] to transfer a WFA certification, already obtained by Texas Instruments, to a system you have developed.

Texas Instruments[™] has obtained Wi-Fi Alliance certification for the CC3100, CC3200, CC3120, and CC3220 devices and modules. End products you create that use these chips or modules are eligible for consideration under the Wi-Fi Alliance derivative certification policy.

The transfer of a certification using the Wi-Fi Alliance derivative certification policy is a time- and moneysaving mechanism that allows you to mark your system with a Wi-Fi Alliance logo and claim that your system is Wi-Fi CERTIFIED[™] without having to visit a Wi-Fi Alliance Authorized Test Lab to perform the certification tests.

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TI's CC3x00 and CC2x20 Wi-Fi CERTIFIED™ Products

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1 TI's CC3x00 and CC2x20 Wi-Fi CERTIFIED[™] Products

Texas Instruments has obtained Wi-Fi certification for the products listed in Table 1. Full certificate details are available from http://www.wi-fi.org/certified-products-advanced-search.

Company	Model	Category	Certifications	Comments
Texas Instruments	CC3100 (physical chip)	Other ⁽¹⁾	bgn, Wi-Fi Direct®, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3200 (physical chip)	Other ⁽¹⁾	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3100MOD (physical module)	Other	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3200MOD (physical module)	Other	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3120 (physical chip) also applies to CC3120MOD (physical module)	Other	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3220 (physical chip) Also applies to CC3220SMOD and CC3220SFMOD (physical modules)	Other	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy

Table 1. Wi-Fi CERTIFIED Products From TI

⁽¹⁾ With the CC3100 and CC3200 devices, Texas Instruments was the first company to obtain a Wi-Fi certification at the chip level, which demonstrates that all the functions required for Wi-Fi operation have been integrated within these devices.

2 Transferring TI's Wi-Fi Alliance Certification to Your Product

Following are the two basic requirements to transfer a Wi-Fi Alliance certification from Texas Instruments using the Wi-Fi Alliance derivative policy.

• Your company must be a member of the Wi-Fi Alliance.

To verify membership, visit http://www.wi-fi.org/who-we-are/member-companies.

 Your system must be based on a certified product from Texas Instruments that is listed in Table 2 (the list is current as of February 2017. New products may be added in the future. Full certificate details are available from http://www.wi-fi.org/certified-products-advanced-search.

Company	Model	Category	WFA Certificate ID	Certifications	Comments
Texas Instruments	CC3100 (physical chip)	Other	WFA56245	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3200 (physical chip)	Other	WFA56257	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3100MOD (physical module)	Other	WFA56525	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3200MOD (physical module)	Other	WFA56530	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3120 (physical chip) also applies to CC3120MOD (physical module)	Other	WFA70372	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy
Texas Instruments	CC3220 (physical chip) Also applies to CC3220SMOD and CC3220SFMOD (physical modules)	Other	WFA70373	bgn, Wi-Fi Direct, WPA/WPA2-Personal, WMM, WPS	Eligible for WFA derivative policy

Table 2. TI's Wi-Fi CERTIFIED Products

If your product uses a TI component shown in the column *model* in Table 2, you can transfer the corresponding Wi-Fi Alliance certification for the Texas Instruments component to your product by following the steps described in this document.

NOTE: The CC3120 and CC3220 devices have the same individual Wi-Fi Alliance certifications that cover both chip and module products from Texas Instruments. However, the CC3100 and CC3200 devices have separate Wi-Fi Alliance certifications for the chip and module components.



2.1 Steps to Transfer the Certification for the TI Component to Your Product

You can initiate the transfer without directly involving Texas Instruments with the steps that follow.

- 1. Log into the Wi-Fi Alliance certification system using the following link:
 - https://certifications.prod.wi-fi.org/member/dashboard
 - **NOTE:** Access requires company membership with the Wi-Fi Alliance and also requires that you have established a personal Single Sign On login account.
- 2. After you log in to the WFA certification system, the next web page shows the status of the certification applications associated with your company. The page will have the format shown in Figure 1.
 - **NOTE:** The screen shots in this application note were correct at the time of publication. Be aware that the Wi-Fi Alliance may modify the certification system web interface in the future.

Wi-Fi Alliance Certification Sys	stem	DASHBOARD	APPLICATIONS	ALL PRODUCTS
Dashboard Start New A	pplication			
	Welcome to the Wi-Fi Alliance Certification System			
Wi Fi)	Please visit our Knowledge Base for help and training materials, or email us at <u>support@wi-fi.org</u> if you have questions. <u>Click here</u> for details on how to access the Knowledge Base.			
	July 2016 policy changes are now in effect. The important changes are as follows:			
CERTIFIED	• The additional and recertification workflows are merged into one. If you need to add a program/feature to a product, it is handled in one app	plication.		
	 Selective recertification is driven by test plan dependencies. If a change is made to a base PHY, then the system will prompt for a full re-test apply upon submitting the application to WI-Fi staff for approval. 	. ATLs may select	t which tests	
	 External derivatives may now inherit changes made to the source product for another company. The external derivative owner will receive a the source product. The email will provide information on what was changed and if it was applied to the product or not. 	n email if changes	are made to	
	For additional release notes and details - please see the <u>Certification System Release Notes</u>			

Figure 1. Dashboard Page

3. Click the Start New Application button (shown in Figure 1) to get to the page shown in Figure 2.

Certification System 2.0			DASHBOARD	APPLICATIONS	ALL PRODUCTS
Application Options					
Choose a Product Options		Additional Company Contact (optional)			
I am certifying a product for my company		Email address			
Enter CID (if known)					
Choose CID Clear					
Please Select the Certification Type Certification Policies.					
Wew Product Certification - choose this option if you want to certify a brand new product. You will need to send your product to a send your product to send your product to send your product to send your product to send your product.	to ar	n authorized test lab for testing.			
New Derivative Product Certification - choose this option if you want to certify a product based on an existing certified product product based on an existing certified product product based on an existing certified product based on an existing certifi	uct s	source.			
Manage Existing Product Certifications - choose this option if you would like to make changes to an existing certified product	ict. Y	You may need to send your product to an authorized test lab for testi	ng.		
Cancel Application					Next Step >
	ICI. T	où may nee to seno your product to an aumonzeo test ao or test	ng.		Next Step >

Figure 2. Application Options Page

- 4. Select *New Derivative Product Certification*. Select *Texas Instruments* as the source company from the drop-down menu.
- 5. Select your company as the target for the derivative certification.
- 6. Select the TI certificate to use as the source for the derivative certification you are requesting.



7. Click the Next Step button to view the pop-up window shown in Figure 3.

Acknowledge	
member's certification application. Wi	ay receive confidential information as part of a -Fi Alliance agrees to hold information about individual or the purposes of processing the certification, until
such time when the certification detail	s are made public by the Member.

Figure 3. Acknowledge Page

8. Accept the confidentiality acknowledgment pop-up. You will then be taken through a series of pages where you will provide information about your system (see Figure 4 and Figure 5).

Application	
Step 1: Product Information	
Product Details - The following fields must include the description of your product exactly as y	you wish the final certification to read. Please verify the name before submission.
Source Product	WFA56245 SimpleLink(TM) Wi-Fi CC3100
From Company:	Texas Instruments
To Company	Texas Instruments
Product Name *	
Model Number * 🕗	Product Identifiers (if known) Q 🕖
	CC3100R1 SKU
Wireless Chipset *	
CC3100	
Product Operating System * 🕐 OS Version 📀	Publish On Date * 🕢
Proprietary / Other	Certification Date
Please Specify*	Do you have previous applications or dependents for this product? Click here to read
ThreadX	important information about publish dates.
Please describe the changes made since the last certification. If none, enter "No Changes". *	Product URL 💿

Figure 4. Product Information Page



Transferring TI's Wi-Fi Alliance Certification to Your Product

		~			
		http://www.ti.com/ww/en/simplelink_embedded	_wi-fi/cc3100.html		
		Product Notes			
Product Hardware Version [®] 🕐	Firmware Version* 🥥				
v.1	31.1.4.0.1				
escribe the difference between the Source and Derivative product hardware and firmware. *		Product Image 📀			
		Select image			
		File size < 50kb.			
		Product Description 🧿			
U-FI Component Hardware Version* Ø Firmware Version* Ø		Connect any low-cost, low-power microcontroller (MCU) to the Internet of Things (IoT) with TI Internet-on-a-chip™ solutions! The CC3100 wireless network processor is part of the new SimpleLink™ Wi-Fi® family that dramatically simplifies the implementation			
v.1	31.1.4.0.1	of Internet connectivity. This product integrates all protocols for Wi-Fi and Internet			
Describe the difference of the Wi-F	i Component Firmware between the Source and Derivative	which greatly minimizes host MCU software requi	irements. With built-in securi	iy .	
*		Attach Documents			
		Choose File			
		File Description		Upload	
Provide Branding/Packaging/Cosm	alia Olemana	Description	Delete	Download	
Tunde Dranding Packaging Cosh	ieue onanges				
* Required					

Figure 5. Continuation of Product Information Page

9. The page shown in Figure 6 allows you to describe your product designation.

	Product Type * 🕖		۲
*	STA		~
		•	
e, enter "No Changes". *			
		▼ add	another
		•	
	e, enter "No Changes". *	* STA	e, enter "No Changes".*

Figure 6. Product Designator Page

After completing the product information and designation pages, you will be given an opportunity to review your overall application and then you will pay the certification transfer fee.

Wi-Fi Alliance staff will then review your application, and if everything is in order, they will grant the derivative certification. After the certification is granted, you will be allowed to apply the relevant Wi-Fi Alliance logo to your product (see Figure 7), and a certification will be listed under your company name in the Wi-Fi Alliance certification database.



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Figure 7. Wi-Fi CERTIFIED™ Logo

Refer to https://www.wi-fi.org/members/logo_download for details regarding use of the Wi-Fi Alliance logos (a membership with the Wi-Fi Alliance is required to log into the logo page).

3 References

[1] Derivative Certifications Policy v4.0.pdf (This document is only available to Wi-Fi Alliance members) https://www.wi-fi.org/system/files/members/Derivative%20Certifications%20Policy%20v4.0.pdf



Revision History

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Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Ch	nanges from July 27, 2016 to March 23, 2017	Page
•	Added content about the CC3120 and CC3220 devices and modules	1

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