



## Wi-Fi CERTIFIED™ Interoperability 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: WFA73491**

**Page 1 of 2**

<b>Date of Last Certification</b>	August 03, 2020
<b>Company</b>	ARRIS TECHNOLOGY (SHENZHEN) CO.,LTD
<b>Product</b>	Touchstone Residential Gateway
<b>Model Number</b>	TG3452
<b>Product Identifier(s)</b>	
<b>Category</b>	Routers
<b>Subcategory</b>	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)
<b>Hardware Version</b>	Product: 3, Wi-Fi Component: 2.4G: CLR2432 5G:CLR2440
<b>Firmware Version</b>	Product: AR01.02.063.04S, Wi-Fi Component: 4.7.23.32.0.0
<b>Operating System</b>	Linux, version: 3.12.59
<b>Frequency Band(s)</b>	2.4 GHz, 5 GHz - Concurrent

### Summary of Certifications

<b>CLASSIFICATION</b>	<b>PROGRAM</b>
Connectivity	Wi-Fi CERTIFIED™ a, b, g, n, ac
	WPA™ – Enterprise, Personal
	WPA2™ – Enterprise, Personal
Optimization	WMM®
	WMM®-Power Save
Access	Wi-Fi Protected Setup™



**Security**

WPA™ – Enterprise, Personal  
WPA2™ – Enterprise, Personal  
EAP Type(s)  
Any EAP Type  
Protected Management Frames

**Wi-Fi CERTIFIED™ a**

**Wi-Fi CERTIFIED™ b**

**Wi-Fi CERTIFIED™ g**

**Wi-Fi CERTIFIED™ n**

2.4 GHz, 5 GHz - Concurrent  
3 Spatial Streams 2.4 GHz  
3 Spatial Streams 5 GHz  
Short Guard Interval  
TX A-MPDU  
40 MHz operation in 2.4 GHz, with coexistence mechanisms  
40 MHz operation in 5 GHz

**Wi-Fi CERTIFIED™ ac**

4 Spatial Streams 5 GHz  
Rx MCS 8-9 (256-QAM)  
Rx A-MPDU of A-MSDU  
Tx SU beamformer  
Low Density Parity Check coding  
Tx DL MU-MIMO

**WMM®**

**WMM®-Power Save**

**Wi-Fi Protected Setup™**

2.4 GHz, 5 GHz - Concurrent  
PIN  
Push-Button (PBC)

**Spectrum and Regulatory Features**

802.11d