

## 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

## **Certification ID: WFA79382**

#### **Product Info**

**Date of Certification** October 2, 2018

Company Ruckus Wireless, Inc.

Product Name Ruckus E510 / ZoneDirector 3000

**Product Model Variant** 2018-10-02 (WFA79382 - 7528176)

Model Number E510 / ZD3000

**Category** Routers

**Sub-category** Enterprise/Service Provider Access Point, Switch/Controller or Router

### **Summary of Certifications**

CLASSIFICATION CERTIFICATION

**Connectivity** 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities

Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

**Optimization** WMM®

Wi-Fi Agile Multiband™

**Security** Protected Management Frames

WPA2<sup>™</sup>-Enterprise 2018-04 WPA2<sup>™</sup>-Personal 2018-04

WPA™-Enterprise WPA™-Personal

Spectrum & Regulatory

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**Features** 



## Wi-Fi CERTIFIED™ Certificate

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Role: Access Point Page 2 of 3

Wi-Fi Components

**Wi-Fi Component Operating System** 

Linux

Wi-Fi Component Firmware

10.1.0.7.12

**RF Architecture** 

2.4 GHz

Bands Supported Transmit (Tx) Receive (Rx)

2

F CUI- 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

80 MHz Channel Width in 5 GHz

**Protected Management Frames** 

**Spectrum & Regulatory** 

802.11d 802.11h

**WMM®** 

WPA2™-Enterprise 2018-04

EAP methods

WPA2™-Personal 2018-04

**WPA™-Enterprise** 

**WPA™-Personal** 

Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

Cellular Data aware

Fast Transition OTA on WPA2-Enterprise

Fast Transition OTA on WPA2-Personal

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

RTS with BW Signaling

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™ Certificate**



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Role: Access Point	Page 3 of 3
Wi-Fi CERTIFIED™ ac (continued)	
SU beamformer	
Wi-Fi CERTIFIED™ b	
Wi-Fi CERTIFIED™ g	
Wi-Fi CERTIFIED™ n	
OBSS on Extension Channel RIFS Short Guard Interval STBC A-MPDU Tx	