



# 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: WFA78122**

## Product Info

<b>Date of Certification</b>	June 27, 2018
<b>Company</b>	Jiangsu Toppower Automotive Electronics Co., Ltd.
<b>Product Name</b>	Zebra iConnected Drive 4.0
<b>Product Model Variant</b>	2018-06-27 (WFA78122 - 7281471)
<b>Model Number</b>	IP32 Redesign
<b>Category</b>	Other
<b>Sub-category</b>	In-vehicle Network

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Connectivity</b>	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
<b>Optimization</b>	WMM®
<b>Security</b>	Protected Management Frames WPA2™-Personal 2017-10



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA78122



Role: Station

Page 2 of 2

## Wi-Fi Components

### Wi-Fi Component Operating System

Proprietary / Other, description: YUN OS

### Wi-Fi Component Firmware

1.0.0-E-20180108.1932

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1
5 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

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

### Wi-Fi CERTIFIED™ ac (continued)

LDPC Tx  
SU beamformee

### 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

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC  
A-MPDU Tx  
HT Duplicate Mode  
OBSS on Extension Channel  
RIFS  
Short Guard Interval

### Protected Management Frames

### WMM®

### WPA2™-Personal 2017-10

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

LDPC Rx  
MCS 8-9 Rx  
Short Guard Interval  
STBC