



# 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: WFA118909

### Product Info

|                              |                                  |
|------------------------------|----------------------------------|
| <b>Date of Certification</b> | March 29, 2022                   |
| <b>Company</b>               | TSC Auto ID Technology Co., Ltd. |
| <b>Product Name</b>          | Barcode Printer                  |
| <b>Product Model Variant</b> | Alpha-30RW                       |
| <b>Model Number</b>          | Alpha-30RW                       |
| <b>Category</b>              | Other                            |
| <b>Sub-category</b>          | Other                            |

### Summary of Certifications

| CLASSIFICATION                            | CERTIFICATION                                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Connectivity</b>                       | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n |
| <b>Optimization</b>                       | WMM®                                                                                                                                                                        |
| <b>Security</b>                           | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2018-04<br>WPA3™-Enterprise 2020-02<br>WPA3™-Personal 2020-02                                     |
| <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

ThreadX

### Wi-Fi Component Firmware

6.6.0.9

### 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

### 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

802.11h

### WMM®

### WPA2™-Enterprise 2018-04

EAP methods  
EAP FAST-MSCHAPv2  
EAP TLS

### WPA2™-Enterprise 2018-04 (continued)

EAP TTLS  
PEAPv0  
PEAPv1

### WPA2™-Personal 2018-04

### WPA3™-Enterprise 2020-02

EAP methods  
EAP FAST-MSCHAPv2  
EAP TLS  
EAP TTLS  
PEAPv0  
PEAPv1

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support  
LDPC Rx

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## Wi-Fi CERTIFIED™ ac (continued)

MCS 8-9 Rx  
Short Guard Interval

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

A-MPDU Tx  
OBSS on Extension Channel  
Power Management  
Short Guard Interval

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