

## 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: WFA132296

#### **Product Info**

Date of Certification	January 13, 2025
Company	Silicon Laboratories Inc.
Product Name	Singleband 802.11ax Advanced WiFi Combo Module
Product Model Variant	BRD4357B_06012025
Model Number	SiWN917Y
Category	Other
Sub-category	Embedded Module

#### **Summary of Certifications**

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Release 2 Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2024-10



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Wi-Fi Component Operating System       RF Architecture         Proprietary       Bands Supported       Transmit (Tx)       Receive (Rx)         2.13.3       2.4 GHz       1       1	Role: Station		Page 2 of 2		
Proprietary       Bands Supported       Transmit (Tx)       Receive (Rx)         2.4 GHz       1       1         2.13.3       2.4 GHz       1       1         Certifications         Certifications         WI-Fi CERTIFIED 60 Release 2 (continued)         20 MHz Channel Width in 2.4 GHz       UL TB PPDU multi-tone Wi-Fi CeRTIFIED **       V         Protected Management Frames       Wi-Fi CeRTIFIED **       V         WMM0       Wi-Fi CERTIFIED **       V         WPA2**-Personal 2021-01       Wi-Fi CERTIFIED**       V         Wi-Fi CERTIFIED**       V       V         Wi-Fi CERTIFIED**       S       V         Wi-Fi CERTIFIED**       V       V         WPA3**-Personal 2024-10       Wi-Fi CERTIFIED**       V         Wi-Fi CERTIFIED**       V       V       V         Beamforming sounding       STBC       STBC       STBC       STBC         BSRP Trigger frame       DL MU-MIMO       STBC       V       V       V         DL MU-MIMO       DL MU-MIMO       STBC       V       V       V       V         DL MU-MIMO       SU beamformee       SU beamformee       V       V       V <td< th=""><th>Vi-Fi Components</th><th></th><th></th></td<>	Vi-Fi Components				
Bands Supported Transmit (1x) Receive (Rx)   2.13.3 2.4 GHz 1 1 <b>2.4 GHz 1 1 2.13.3 2.4 GHz 1 1 1 2.4 GHz 1 1 1 1 2.13.3 Wi-Fi CERTIFIED 6® Release 2 (continued)</b> UL TB PPDU multi-tone Wi-Fi 6 Release 2 features UL Extended Range M-BSSID control frames <b>WIM® Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi CERTIFIED™ n Wi-Fi CERTIFIED™ n A</b> -MPDU Tx Power Management Short Guard Interval STBC <b>SIDE Trigger frame DL MUPPDU multi-tone</b> Individual Target Wake Time MU-BAR Trigger frame MU-BAR Trigger frame SU beamformee SU MMO <b>Wi-BAR Trigger frame Wu-BAR Trigger frame</b> SU beamformee SU MMO <b>Wi-BAR Trigger frame WU-BAR Trig</b>		RF Architecture			
2.13.3 Certifications 2.4 GHz Spectrum Capabilities 2.4 GHz 1 1 WI-Fi CERTIFIED 6® Release 2 (continued) WI-Fi CERTIFIED 7 <sup>M</sup> b WI-Fi CERTIFIED 7 <sup>M</sup> b WI-Fi CERTIFIED 7 <sup>M</sup> b WI-Fi CERTIFIED 7 <sup>M</sup> g WPA3 7 <sup>M</sup> -Personal 2021-01 WI-Fi CERTIFIED 7 <sup>M</sup> g WI-Fi CERTI		Bands Supported Trans	mit (Tx) Receive (Rx)		
Certifications         2.4 GHz Spectrum Capabilities       Wi-Fi CERTIFIED 6@ Release 2 (continued)         20 MHz Channel Width in 2.4 GHz       UL TB PPDU multi-tone         Wi-Fi 6 Release 2 features       UL Extended Range         WH@       Wi-Fi CERTIFIED ** b         WM@       Wi-Fi CERTIFIED ** b         WPA2**-Personal 2021-01       Wi-Fi CERTIFIED ** g         WPA3**-Personal 2024-10       Wi-Fi CERTIFIED ** g         Wi-Fi CERTIFIED ** g       Wi-Fi CERTIFIED ** g         WI-Fi CERTIFIED ** Personal 2024-10       Wi-Fi CERTIFIED ** g         Wi-Fi CERTIFIED ** D       Wi-Fi CERTIFIED ** g         Wi-Fi CERTIFIED ** Second       Sind Cuard Interval         Beamforming sounding       Sind Cuard Interval         BSRP Trigger frame       Sind Cuard Interval         DL MU PPDU multi-tone       Sind Cuard Interval         Individual Target Wake Time       Sind Cuard Interval         MU-ENS Trigger frame       Sind Cuard Interval         MU-RTS Trigger frame       Sind Cuard Interval         Su Deannformee       Su Deannformee		2.4 GHz 1	1		
2.4 GHz Spectrum Capabilities       Wi-Fi CERTIFIED 6® Release 2 (continued)         20 MHz Channel Width in 2.4 GHz       UL TB PPDU multi-tone         Protected Management Frames       Wi-Fi 6 Release 2 features         WM®       UL Extended Range         WPA2 <sup>™</sup> -Personal 2021-01       Wi-Fi CERTIFIED <sup>™</sup> b         WPA3 <sup>™</sup> -Personal 2024-10       Wi-Fi CERTIFIED <sup>™</sup> g         Wi-Fi CERTIFIED 6® Release 2       Wi-Fi CERTIFIED <sup>™</sup> n         Wi-Fi CERTIFIED 6® Release 2       A-MPDU Tx         Power Management       Short Guard Interval         SRP Trigger frame       STBC         DL MU-MIMO       DL MU PPDU multi-tone         Individual Target Wake Time       MU EDCA Parameter Set element         MU-BAR Trigger frame       MU-RAR Trigger frame         SU beamformee       SU beamformee         SU beamformee       SU beamformee	2.13.3				
20 MHz Channel Width in 2.4 GHz  Protected Management Frames  WMM®  WPA2 <sup>TM</sup> -Personal 2021-01  WPA3 <sup>TM</sup> -Personal 2024-10  Wi-Fi CERTIFIED <sup>TM</sup> b  Wi-Fi CERTIFIED <sup>TM</sup> g  Wi-Fi CERTIFIED <sup>TM</sup> g  Wi-Fi CERTIFIED <sup>TM</sup> g  Wi-Fi CERTIFIED <sup>TM</sup> n  AMPDU Tx Power Management Short Guard Interval STBC  AMPDU Tx Power Management Short Guard Interval STBC	Certifications				
Wi-Fi 6 Release 2 features         UL Extended Range         WBM®         WHM®         WPA2 <sup>TM</sup> -Personal 2021-01         WPA3 <sup>TM</sup> -Personal 2024-10         Wi-Fi 6 CERTIFIED <sup>TM</sup> b         WI-Fi 6 CERTIFIED <sup>TM</sup> g         WI-Fi 6 Release 2         Wi-Fi 6 CERTIFIED <sup>TM</sup> g         Wi-Fi 6 Release 2         Wi-Fi 6 CERTIFIED <sup>TM</sup> g         Wi-Fi 6 Release 2         Wi-Fi 6 Release 2         A-MPDU Tx         Power Management         Short Guard Interval         STBC         StBC         DL MU PPDU multi-one         Individual Target Wake Time         MU-PRS Trigger frame         MU-ARA Trigger frame         MU-ARA Trigger frame         St beamforme	2.4 GHz Spectrum Capabilities	Wi-Fi CERTIFIED 6® Rele	Wi-Fi CERTIFIED 6® Release 2 (continued)		
Protected Management Frames       UL Extended Range         WMM⊚       M-BSSID control frames         WPA2™-Personal 2021-01       Wi-Fi CERTIFIED™ b         WPA3™-Personal 2024-10       Wi-Fi CERTIFIED™ g         Wi-Fi CERTIFIED 6® Release 2       Mi-Fi CERTIFIED™ n         Wi-Fi CERTIFIED 6® Release 2       A-MPDU Tx         Power Management       Short Guard Interval         Beamforming sounding       STBC         BSRP Trigger frame       Structure         DL MU-MIMO       HU DCA Parameter Set element         MU-DCA Parameter Set element       Hu-BAR Trigger frame         MU-RTS Trigger frame       SU beamformee         SU beamformee       SU-MIMO	20 MHz Channel Width in 2.4 GHz	UL TB PPDU multi-tone	UL TB PPDU multi-tone		
Protected Management Frames       M-BSSID control frames         WHM       Wi-Fi CERTIFIED™ b         WPA2™-Personal 2021-01       Wi-Fi CERTIFIED™ g         WPA3™-Personal 2024-10       Wi-Fi CERTIFIED™ g         Wi-Fi CERTIFIED 6® Release 2       A-MPDU Tx         Power Management       Short Guard Interval         Beamforming sounding       STBC         BSRP Trigger frame       STBC         DL MU-MIMO       STBC         DL MU-PDU multi-tone       Holividual Target Wake Time         MU-BCA Parameter Set element       Hu-BAR Trigger frame         MU-BAR Trigger frame       SU beamformee         SU beamformee       SU beamformee         SU-MIMO       Su beamformee					
WPA2™-Personal 2021-01       Wi-Fi CERTIFIED™ b         WPA3™-Personal 2024-10       Wi-Fi CERTIFIED™ g         Wi-Fi CERTIFIED™ n       AMPDU Tx         Power Management       Short Guard Interval         Beamforming sounding       STBC         BSRP Trigger frame       STBC         DL MU-MIMO       STBC         MU-DD multi-tone       STBC         Individual Target Wake Time       STBC         MU-BAR Trigger frame       SU beamformee         SU beamformee       SU beamformee         SU beamformee       SU-MIMO	Protected Management Frames				
WPA2™-Personal 2021-01       Wi-Fi CERTIFIED™ g         WPA3™-Personal 2024-10       Wi-Fi CERTIFIED™ g         Wi-Fi Agile Multiband™       A.MPDU Tx         Wi-Fi CERTIFIED 6® Release 2       Power Management         Short Guard Interval       Short Guard Interval         Beamforming sounding       STBC         BSRP Trigger frame       STBC         DL MU-MIMO       HU EDCA Parameter Set element         MU-BAR Trigger frame       HU-RTS Trigger frame         MU-RTS Trigger frame       SU beamformee         SU beamformee       SU-MIMO	WMM®				
WPA3™-Personal 2024-10       Wi-Fi CERTIFIED™ g         Wi-Fi Agile Multiband™       Wi-Fi CERTIFIED™ n         Wi-Fi CERTIFIED 6® Release 2       A-MPDU Tx         Power Management       Short Guard Interval         Beamforming sounding       Stort Guard Interval         Beamforming sounding       STBC         DL MU-MIMO       STBC         DL MU PPDU multi-tone       Stort Guard Interval         Individual Target Wake Time       Stort Guard Interval         MU-BDCA Parameter Set element       Stort Guard Interval         MU-RTS Trigger frame       Stort Guard Interval         Stort Guard Interval       Stort Guard Interval         Stort Guard Interval       Stort Guard Interval         MU-RTS Trigger frame       Stort Guard Interval         Stort Guard Trigger frame       Stort Guard Interval         Stort Guard Interval       Sto	WPA2™-Personal 2021-01	Wi-Fi CERTIFIED™ b			
Wi-Fi Agile Multiband™Wi-Fi CERTIFIED™ nWi-Fi CERTIFIED 6® Release 2A-MPDU TxBeamforming soundingShort Guard IntervalBeamforming soundingSTBCDL MU-MIMOSTBCDL MU PPDU multi-toneSTBCIndividual Target Wake TimeSTBCMU EDCA Parameter Set elementSTBCMU-BAR Trigger frameSU beamformeeSU beamformeeSU-MIMO		Wi-Fi CERTIFIED™ g			
Wi-Fi Agile Multiband™         Wi-Fi CERTIFIED 6® Release 2         Beamforming sounding         Beamforming sounding         BSRP Trigger frame         DL MU-MIMO         DL MU PPDU multi-tone         Individual Target Wake Time         MU EDCA Parameter Set element         MU-BAR Trigger frame         MU-RTS Trigger frame         SU beamformee         SU-MIMO	WPA3™-Personal 2024-10	Wi-Ei CEPTIEIED™ n			
Wi-Fi CERTIFIED 6® Release 2Power ManagementBeamforming soundingShort Guard IntervalBERP Trigger frameSTBCDL MU-MIMO	Wi-Fi Agile Multiband™				
Beamforming soundingSTBCBSRP Trigger frame	Wi-Fi CERTIFIED 6® Release 2				
BSRP Trigger frame DL MU-MIMO DL MU PPDU multi-tone Individual Target Wake Time MU EDCA Parameter Set element MU-BAR Trigger frame MU-RTS Trigger frame SU beamformee SU-MIMO	Peopforming counding				
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MU EDCA Parameter Set element MU-BAR Trigger frame MU-RTS Trigger frame SU beamformee SU-MIMO	DL MU PPDU multi-tone				
MU-BAR Trigger frameMU-RTS Trigger frameSU beamformeeSU-MIMO	Individual Target Wake Time				
MU-RTS Trigger frame SU beamformee SU-MIMO	MU EDCA Parameter Set element				
SU beamformee SU-MIMO	MU-BAR Trigger frame				
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