	Rockchip Wi-FiBT Situation							
ver1.9 2024.03.29								
Revision No.	History	Date						
1.9	Update support list add vendor: synaptics\infineon\TON\AzureWave\CVTE\Quecte\Murata\nFore etc.	2024.03.29						
1.8	新增BES2600iWA2/EA66210支持	2023.09.01						
1.7	对支持模块的验证说明:列表中State DS有客户使用,但并未给RK做详细验证,稳定性需需找模组厂或原厂确认。	2022.12.20						
	新增几款支持BT5.2/WiFl6/WiFl6E的模块:							
	Infineon: CYW43012/CYW4373(BT5.2)/CYW54591(BT5.2/2T2R)/CYW55572(WIFI6/6E*)							
1.6	Realtek: RTL8852BS/BE(WIFI6)	2022.08.15						
2.0	新增ATBM6441 低功耗WiFi	2022.00.23						
	新增Antenna Configuration/BT Standard列的说明,增加直观及可读性:							
	注: CYW55572 WIFIGE 需找原厂更新去有驱动+WPA相关软件。							
1.5	新增ATBM6031、AIC8000-XX系列、BES2600支持	2022.06.05						
1.4	新增SSV615SP,对AC/AX版本含义进行说明	2022.04.06						
1.3	新增低功耗Hi3861L及kernel版本说明							
1.2	Add RTL8188FTV-VC and RTL8188FTV-VQ1 (USB)							
1.1	Add WiFi6 AP6275S AP6275P							
1.0	initial release							

1.0	initial release												
Note:													
	技AD/Realtelが甘它形	무 可以參考Wi-F	i/RT开告文:	档里面的移植章节进行	终坡即可.								
						: /n= TT	(1) INV NIL 4 4	r# 1+					
				直驱动到我们平台,移植		gWi-Fi/BT 升	友又档进行村	多 植;					
				ne.rock-chips.com/docu									
				模组厂要,在RK平台的	移植补丁可以通过	redmine提问	题获取补丁	;					
5、BT代表蓝牙	F(Bluetooth)ac:表示	Wi-Fi5,ax:表示Wi	i-Fi6;										
6、State代表さ	た片或模组在RK平台上に	的验证状态或模式	, SS SDK Sup	port; ST: Sample Teste	d样品测试;DS: Da	atasheet Supp	ort规格可支	持调试.					
7、Antenna是	指Wi-Fi天线,需要注意	(有些芯片模组支持	BT单天线,	即Wi-Fi天线是2T2R, B	T是单独1T1R,设计	计选型时请注	意意。						
		Wi-Fi		IFFF 802.11		2.4GHz	5.0GHz	6.0GHz		ВТ	ВТ		
Vendor	WiFi Chip	Interface		Standard	Max Data rate	Band	Band	Band	Antenna	Standard	Interface	State	Remarks
Rockchip	RK960	SDIO	Wi-Fi 4	802.11b/g/n	72Mbps	٧	×	×	1T1R	5.3	UART/PCM	SS	
	RK915	SDIO	Wi-Fi 4	802.11b/g/n	65Mbps	٧	×	×	1T1R	×	×	SS	
	SYN43756E	SDIO/PCIe	Wi-Fi 6E	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	٧	2T2R	5.4	UART/PCM	DS	
	SYN43711	SDIO/PCIe	Wi-Fi 6E	802.11a/b/g/n/ac/ax	600Mbps	٧	٧	٧	1T1R	5.4	UART/PCM	DS	
Synaptics	SYN43752	SDIO/PCIe	Wi-Fi 6	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	5.4	UART/PCM	DS	
(IC)	SYN43598	SDIO/PCIe	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.2	UART/PCM	DS	
\·,	SYN43456	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	
	SYN43436	SDIO	Wi-Fi 4	802.11b/g/n	72Mbps	٧	×	×	1T1R	5.4	UART/PCM	DS	
	BCM430132	SDIO	Wi-Fi 4	802.11a/b/g/n	72Mbps	٧	٧	×	1T1R	5.4	UART/PCM	DS	
	RTL8852C	PCIe/USB	Wi-Fi 6E	802.11 a/b/g/n/ac/ax	1200Mbps	٧	٧	٧	2T2R	5.3	UART/USB/PCM	DS	
Ī	RTL8852B	SDIO/PCIe/USB	Wi-Fi 6	802.11 a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	5.2	UART/USB/PCM	DS	
Ţ	RTL8832BU	USB	Wi-Fi 6	802.11 a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	×	×	DS	
Ī	RTL8851B	SDIO/PCIe/USB	Wi-Fi 6	802.11 a/b/g/n/ac/ax	600Mbps	٧	٧	×	1T1R	5.3	UART/USB/PCM	DS	
	RTL8822C	SDIO/PCIe/USB	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5	UART/USB/PCM	SS	
	RTL8822E	SDIO/USB	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.3	UART/PCM	SS	
	RTL8821C	SDIO/PCIe/USB	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	4.2	UART/USB/PCM	DS	
	RTL8812CU	USB	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	×	×	DS	FFFM
	RTL8812EU	USB	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	×	×	DS	
H	RTL8811CU	USB	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	×	×	DS	
Realtek		SDIO/USB		-		V			2T2R			DS	EFEM
(IC)	RTL8192E	·	Wi-Fi 4	802.11 b/g/n	300Mbps		×	×		×	×		EFEM
	RTL8192F	SDIO/USB	Wi-Fi 4	802.11 b/g/n	300Mbps	√	×	×	2T2R	×	×	DS	
	RTL8733B	SDIO/USB	Wi-Fi 4	802.11 a/b/g/n	150Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	
	RTL8723D	SDIO/USB	Wi-Fi 4	802.11 b/g/n	150Mbps	٧	×	×	1T1R	4.2	UART/USB/PCM	SS	
	RTL8731B	SDIO/USB	Wi-Fi 4	802.11 a/b/g/n	150Mbps	٧	٧	×	1T1R	×	×	DS	
	RTL8189FTV	SDIO	Wi-Fi 4	802.11 b/g/n	150Mbps	٧	×	×	1T1R	×	×	SS	
	RTL8189ES/EM	SDIO	Wi-Fi 4	802.11 b/g/n	150Mbps	٧	×	×	1T1R	×	×	DS	
	RTL8188FTV	USB	Wi-Fi 4	802.11 b/g/n	150Mbps	٧	×	×	1T1R	×	×	SS	
	RTL8761BTV	×	×	×	×	×	×	×	×	5.0	UART/PCM	ST	
	RTL8188EUS-VH	USB	Wi-Fi 4	802.11 b/g/n	150Mbps	V	×	×	1T1R	×	×	DS	EFEM
\vdash	CYW55572	SDIO/PCIe	Wi-Fi 6	802.11 a/b/g/n/ac/ax	1200Mbps	٧	٧	٧	2T2R	5.4	UART/PCM	DS	
1	CYW55572 CYW55513	SDIO/PCIE SDIO/SPI	Wi-Fi 6E	802.11 a/b/g/n/ac/ax 802.11 a/b/g/n/ac/ax		٧	V	V	212K 1T1R	5.4	UART/PCM	DS	
	CYW55513 CYW54591	SDIO/SPI SDIO/PCIe	Wi-Fi 5	802.11 a/b/g/n/ac/ax 802.11 a/b/g/n/ac	600Mbps 866Mbps	V V	V	×	2T2R	5.4	UART/PCM UART/PCM	DS	
l-di-													
Infineon	CYW43455	SDIO (DCI- (USB	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	√ √	V	×	1T1R	5.3	UART/PCM	ST DS	1
(IC)	CYW4373	SDIO/PCIe/USB	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps				1T1R	5.4	UART/PCM		
	CYW43438	SDIO (SDI	Wi-Fi 4	802.11 b/g/n	72Mbps	٧	×	×	1T1R	5.2	UART/PCM	ST	
	CYW43012	SDIO/SPI	Wi-Fi 4	802.11a/b/g/n	72Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	
	CYW43439	SDIO	Wi-Fi 4	802.11 b/g/n	65Mbps	٧	×	×	1T1R	5.2	UART/PCM	DS	
AIC	AIC8800D80	SDIO/PCIe/USB	Wi-Fi 6	802.11a/b/g/n/ac/ax	600Mbps	٧	٧	×	1T1R	5.4	UART/PCM	DS	
(IC)	AIC8800D	SDIO/USB	Wi-Fi 6	802.11b/g/n/ax	286.80Mbps	٧	×	×	1T1R	5.2	UART/PCM	ST	
SeekWave	EA6621Q	SDIO	Wi-Fi 6	802.11a/b/g/n/ac/ax	600Mbps	٧	٧	×	1T1R	5.0	UART/PCM	DS	
(IC) Unisoc			-							1	-		1
	UWE5621DS	SDIO	Wi-Fi 5	802.11a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.0	UART/PCM	DS	
(IC)	SSV6155P	USB	Wi-Fi 4	802.11b/g/n	150Mbps	٧	×	×	1T1R	×	×	ST	
iComm	SV6158	SDIO	Wi-Fi 4	802.11b/g/n	150Mbps	٧	×	×	1T1R	×	×	DS	1
(IC)	SV6256	SDIO	Wi-Fi 4	802.11a/b/g/n	150Mbps	٧	٧	×	171R	×	×	DS	1
AltoBeam	ATBM603x	SDIO/USB	Wi-Fi 4	802.11a/b/g/n 802.11b/g/n	150Mbps	٧	×	×	171R 171R	×	×	ST	
(IC)	ATBM6441	SDIO/USB SDIO	Wi-Fi 4	802.11b/g/n 802.11b/g/n	72Mbps	V √	×	×	171R	×	×	ST	
(IC) Hisilicon							^	*		×	^		
	Hi3861L/3881	SDIO	Wi-Fi 4	802.11b/g/n	72Mbps	٧	×	×	1T1R	×	×	SS	ı
(IC) BES													1
(IC)	BES2600iWA2	SDIO	Wi-Fi 4	802.11a/b/g/n	150Mbps	٧	٧	×	1T1R	5.0	UART/PCM	DS	
()													

	AP6275	SDIO/PCIe	Wi-Fi 6	802.11a/b/g/n/ac/ax	1200Mbps	v	٧	×	2T2R	5.3	UART/PCM	SS	1
Ampak (Module)	(SYN43752) AP6611			-		v	٧				-		
	(SYN43711) AP6281	SDIO/PCIe	Wi-Fi 6E	802.11a/b/g/n/ac/ax	600Mbps	-		٧	1T1R	5.3	UART/PCM	ST	
	(SYN4381)	SDIO/PCIe	Wi-Fi 6E	802.11a/b/g/n/ac/ax	600Mbps	٧	٧	٧	1T1R	5.3	UART/PCM	DS	
	AP6276 (SYN43756E)	SDIO/PCIe	Wi-Fi 6E	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	٧	2T2R	5.3	UART/PCM	ST	
	AP6398S (SYN43598)	SDIO	Wi-Fi 5	802.11a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.2	UART/PCM	SS	
	AP6256 (SYN43456)	SDIO	Wi-Fi 5	802.11a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	5.2	UART/PCM	SS	
	AP6203BM (BCM43012)	SDIO	Wi-Fi 4	802.11b/g/n	72Mbps	٧	٧	×	1T1R	5.4	UART/PCM	ST	
	AP6212	SDIO	Wi-Fi 4	802.11b/g/n	72Mbps	٧	×	×	1T1R	5.4	UART/PCM	SS	
	(BCM43438) BW3752-50BX	SDIO/PCIe	Wi-Fi 6	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	5.2	UART/PCM	DS	
	(SYN43752) BW756E-50B2	SDIO/PCIe	Wi-Fi 6E	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	V	2T2R	5.3	UART/PCM	DS	
	(SYN43756E) BW3598-50BX												
ITON (Module)	(SYN43598) BW3456-44B1	SDIO/PCIe	Wi-Fi 5	802.11 a/b/g/n/ac	867Mbps	٧	٧	×	2T2R	5.2	UART/PCM	DS	
(module)	(SYN43456) BW0132-44B1	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	
	(BCM430132)	SDIO	Wi-Fi 4	802.11a/b/g/n	72Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	
	BW436S-44B1 (SYN43436)	SDIO	Wi-Fi 4	802.11b/g/n	72Mbps	٧	×	×	1T1R	5.2	UART/PCM	DS	
	AW-XM606 (CYW55513)	SDIO/SPI	Wi-Fi 6E	802.11 a/b/g/n/ac/ax	600Mbps	٧	٧	٧	1T1R	5.3	UART/PCM	DS	
	AW-XM650 (CYW55512)	SDIO/SPI	Wi-Fi 6	802.11 a/b/g/n/ac/ax	600Mbps	٧	٧	×	1T1R	5.3	UART/PCM	DS	
	AW-XM643 (CYW55573)	SDIO/PCIE	Wi-Fi 6E	802.11 a/b/g/n/ac/ax	1200Mbps	٧	٧	٧	2T2R	5.3	UART/PCM	DS	
	AW-XM612	SDIO/PCIE	Wi-Fi 6	802.11 a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	5.3	UART/PCM	ST	
	(CYW55572) AW-XM632	SDIO/PCIE	Wi-Fi 6	802.11 a/b/g/n/ac/ax	600Mbps	٧	٧	٧	1T1R	5.3	UART/PCM	DS	
AzureWave	(CYW55571) AW-CM467	SDIO/USB	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	5.2	UART/PCM/USB	DS	
(Module)	(CYW4373) AW-CM572	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	v	٧	×	2T2R	5.1	UART/PCM	DS	
	(CYW54591) AW-CM256SM	SDIO	Wi-Fi 5	 	433Mbps	٧	٧	×	1T1R	5.3	UART/PCM	ST	
	(CYW43455) AW-AM497			802.11 a/b/g/n/ac									
	(CYW43012) AW-NM372SM	SDIO	Wi-Fi 4	802.11 b/g/n/ac friendly	78Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	
	(CYW43438)	SDIO	Wi-Fi 4	802.11 b/g/n	72Mbps	٧	×	×	1T1R	5.1	UART/PCM	ST	
	AW-NM512 (CYW43439)	SDIO	Wi-Fi 4	802.11 b/g/n	72Mbps	٧	×	×	1T1R	5.2	UART/PCM	DS	
	FCS866R (RTL8852BS-CG)	SDIO	Wi-Fi 6	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	5.2	UART/PCM	DS	
	FCE863R (RTL8852BE-VR-CG)	PCIe	Wi-Fi 6	802.11a/b/g/n/ac/ax	1200Mbps	٧	٧	×	2T2R	5.2	UART/PCM	DS	
	FCU760K/FCS960K (AIC8800D80)	USB/SDIO	Wi-Fi 6	802.11a/b/g/n/ac/ax	600Mbps	٧	٧	×	1T1R	5.4	UART/PCM	DS	
	FCS961K (AIC8800DC)	SDIO	Wi-Fi 6	802.11 b/g/ n/ ax	286Mbps	٧	×	×	1T1R	5.2	UART/PCM	DS	
	FC80A	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.1	UART/PCM	DS	
	(CYW54591) FCS850R	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.0	UART/PCM	DS	
Q	(RTL8822CS-VS-CG) FCS851U	SDIO	Wi-Fi 5	802.11a/b/g/n/ac	866Mbps	٧	٧	×	2T2R	5.0	UART/PCM	DS	
Quectel (Module)	(UWE5621) FCS950R	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	4.2	UART/PCM	DS	
	(RTL8821CS-CG) FC905A	SDIO	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	171R	5.0	UART/PCM	DS	
	(CYW43455) FCS940R	SDIO	Wi-Fi 4			٧	×		171R	5.0		DS	
	(RTL8723DS-CG) FC908A			802.11 b/g/n	150Mbps			×			UART/PCM		-
	(CYW43438) FCS945R	SDIO	Wi-Fi 4	802.11 b/g/n	72Mbps	٧	×	×	1T1R	5.1	UART/PCM	DS	
	(RTL8733BS-CG)	SDIO	Wi-Fi 4	802.11a/b/g/n	150Mbps	٧	٧	×	1T1R	5.2	UART/PCM	DS	1
	FCU741R (RTL8731BU-CG)	USB	Wi-Fi 4	802.11a/b/g/n	150Mbps	٧	٧	×	1T1R	×	×	DS	
	FC30R (RTL8189EM-VI-CG)	SDIO	Wi-Fi 4	802.11 b/g/n	150Mbps	٧	×	×	1T1R	×	×	DS	
CVTE	SKI.WB800DS2.1 (AIC8800D)	SDIO/USB	Wi-Fi 6	802.11 a/b/g/n/ac/ax	286Mbps	٧	٧	×	1T1R	5.2	UART/PCM	ST	
(Module)	SKI.WB800D80S.1 (AIC8800D80)	SDIO/USB	Wi-Fi 6	802.11 a/b/g/n/ac/ax	600Mbps	٧	٧	×	1T1R	5.3	UART/PCM	ST	
Murata (Module)	SP-ZZ1ZC-C (CYW88459)	PCIe	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	5.1	UART/PCM	DS	AutoMotive
nFore	NF3205PQ	PCle	Wi-Fi 5	802.11 a/b/g/n/ac	433Mbps	٧	٧	×	1T1R	5.0	UART/PCM	DS	AutoMotive
(Module)	1	<u> </u>	1		•	l		1	l	l	1		1