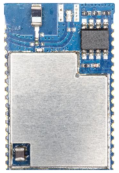
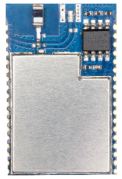
Shenzhen RF-star Technology Co., Ltd.
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TI CC32xx Series Wi-Fi Modules							
Part Number	**RF-WM-3235B1S**	**RF-WM-3235A1S**	**RF-WM-3235B1**	**RF-WM-3235A1**	**RF-WM-3220B1**	**RF-WM-3200B3**	**RF-WM-3200B1**
Photo							
IC	CC3235S	CC3235S	CC3235SF	CC3235SF	CC3220SF	CC3200	CC3200
Antenna	Pad	PCB/Pad	Pad	PCB/Pad	Chip/IPEX/Pad	Pad	Chip/IPEX/Pad
Flash	4 MB (Module Embedded)	4 MB (Module Embedded)	1 MB (IC Embedded) 4 MB (Module Embedded)	1 MB (IC Embedded) 4 MB (Module Embedded)	1 MB(IC Embedded) 4 MB (Module Embedded)	1 MB (Module Embedded)	1 MB (Module Embedded)
Transmission Range	200 m (external PCB antenna)	150 m	200 m (external PCB antenna)	150 m	100 m (Chip antenna)	200 m (external PCB antenna)	100 m (Chip antenna)
Dimension (mm)	20.5 x 17.5 x 1.7	25.0 x 20.5 x 2.3	20.5 x 17.5 x 1.7	25 x 20.5 x 2.3	31.0 x 20.0 x 2.3	20.5 x 17.5 x 2.3	31.0 x 20.0 x 2.3
Functions	Compatible with TI CC3232MODS	Compatible with TI CC3232MODAS	Compatible with TI CC3232MODSF	Compatible with TI CC3232MODASF	Multiple antenna output modes	Compatible with TI CC3200MOD	Lower power consmption, Support AT commands
Protocols	802.11 a/b/g/n: 2.4 GHz and 5 GHz				802.11 b/g/n: 2.4 GHz	802.11 b/g/n: 2.4 GHz	
Frequency	Shutdown: 1 μA Hibernate: 4.5 μA Low-power deep sleep (LPDS): 120 μA Idle connected (MCU in LPDS): 710 μA RX traffic (MCU active): 59 mA TX traffice (MCU active): 223 mA				Shutdown: 1 μA Hibernate: 4.5 μA Low-power deep sleep (LPDS): 135 μA Idle connected (MCU in LPDS): 710 μA RX traffic (MCU active): 59 mA TX traffice (MCU active): 223 mA	Hibernate: 4.0 μA Low-power deep sleep (LPDS): 250 μA Idle connected (MCU in LPDS): 825 μA RX traffic (MCU active): 59 mA TX traffice (MCU active): 229 mA	
Max. TX Power	+18.0 dBm @ 2.4 GHz (1 DSSS) +18.1 dBm @ 5 GHz (6 OFDM)				+18 dBm @ 1 DSSS +14.5 dBm @ 54 OFDM	+18.0 dBm @ 1 DSSS +14.5 dBm @ 54 OFDM	
Receiving Sensitivity	-96 dBm @2.4 GHz (1 DSSS) -92 dBm @5 GHz (6 OFDM)				-96 dBm @ 1 DSSS -74.0 dBm @ 54 OFDM	-95.7 dBm @ 1 DSSS -74.0 dBm @ 54 OFDM	
Security	WEP, WPA™/ WPA2™ PSK, WPA2 Enterprise, WPA3™ Personal, Crypto Engine: (AES, DES, SHA/MD5, CRC)				WPA2 Personal and Enterprise Security: WEP, WPA™/ WPA2™ PSK, WPA2 Enterprise (802.1x), Crypto Engine: AES, DES, 3DES, SHA2, MD5, CRC, and Checksum; Secure Sockets (SSLv3, TLS1.0, TLS1.1, TLS1.2)	Crypto Engine: AES, DES, and 3DES, SHA2 and MD5, CRC and Checksum	
Peripheral	PWM, UART, I2S, I2C, SPI, SD, ADC, 8-bit parallel interface				PWM, UART, I2S, I2C, SPI, SD, ADC, 8-bit parallel interface	PWM, McASP, UART, I2S, I2C, SPI, SD/MMC, ADC, 8-bit parallel camera interface	
Core	80 MHz ARM® Cortex®-M4						
RAM	256 kB						
GPIO	27						
Power Supply	2.7 V ~ 3.6 V, recommend to 3.3 V						
Working Temperature	-40 ℃ ~ +85 ℃						
Storage Temperature	-45 ℃ ~ +125 ℃						

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