Shenzhen RF-star Technology Co., Ltd.
info@szrfstar.com www.rfstariot.com

TI CC2340R5 Multi-Protocol Modules											
Part Number	**RF-BM-2340A1**	**RF-BM-2340A1I**	**RF-BM-2340B1**	**RF-BM-2340B1I**	**RF-BM-2340A2**	**RF-BM-2340A2I**	**RF-BM-2340C2**	**RF-BM-2340T1**	**RF-BM-2340T2**	**RF-BM-2340T3**	**RF-BM-2340B2**
Photo											
IC	CC2340R52										CC2340R53
RAM	36 kB										64 kB
Flash	512 kB										
Max. TX Power	+8 dBm										
Core	48 MHz ARM® Cortex®-M0+										
Receiving Sensitivity	-102 dBm for 125 kbps LE Coded PHY -96.5 dBm for BLE 1 Mbps										
Working Temperature	-40 ℃ ~ +85 ℃										
Storage Temperature	-40 ℃ ~ +125 ℃										
Protocols	BLE5.3, ZigBee, SimpleLink™ TI 15.4-stack, Proprietary systems										
Application	ESL, Medical Electronics, Intelligent Vehicle, Consumer Electronics, IoT Industry 4., Logistics, Smart Home, Smart City, Smart Buildings										
Power Supply	GLDO mode: 1.71 V ~ 3.8 V, 3.3 V is recommended		DCDC mode: 2.2 V ~ 3.8 V, 3.3 V is recommended GLDO mode: 1.71 V ~ 3.8 V, 3.3 V is recommended Remark: When set to DCDC mode, if the supply voltage is lower than 2.2 V, it will automatically switch to GLDO mode.								
Transmission Range @ open-air	200 m @ 1M PHY	475 m @ 1M PHY (external PCB antenna)	175 m @ 1M PHY	340 m @ 1M PHY (external PCB antenna)	200 m @ 1M PHY	330 m @ 1M PHY (external PCB antenna)	80 m @ 1M PHY	150 m @ 1M PHY	90 m @ 1M PHY	130 m @ 1M PHY	175 m @ 1M PHY
Antenna	PCB/RF ANT interface	IPEX/RF ANT interface	PCB	IPEX/RF ANT interface	PCB	IPEX/RF ANT interface	Chip/RF ANT interface	PCB/RF ANT interface	Chip/RF ANT interface	PCB	PCB
Dimension (mm)	11.6 x 16.5 x 2.3	11.6 x 16.5 x 2.3	15.55 x 22.5 x 2.35	15.55 x 22.5 x 2.35	11.2 x 16.6 x 2.25	11.2 x 15.2 x 2.25	8.0 x 8.0 x 1.7	12.0 x 15.8 x 2.0	12.0 x 15.8 x 2.0	15.0 x 15.0 x 2.0	15.55 x 22.5 x 2.35
GPIO	12	12	24	24	12	12	12	14	14	11	24
UART Protocol	BLE 5.0 Master-slave (5 connections), ZigBee (coordinator, router,	BLE 5.0 Master-slave (5 connections), ZigBee (coordinator, router,	BLE 5.0 Master-slave (5 connections), ZigBee (coordinator, router,	BLE 5.0 Master-slave (5 connections), ZigBee (coordinator, router,	BLE 5.0 Master-slave (5 connections at most)	BLE 5.0 Master-slave (5 connections at most)	BLE 5.0 Master-slave (5 connections at most)	BLE 5.0 Master-slave (5 connections at most)	BLE 5.0 Master-slave (5 connections at most)	BLE 5.0 Master-slave (5 connections at most)	N/A
Certificates	BQB, FCC FCC. SRRC, NCC	BQB	BQB, FCC, IC, SRRC, CE, RoHS	BQB	BQB	BQB	BQB	BQB	BQB	BQB	BQB

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