

Bluetooth® Low Energy (BLE) Modules

High Functionality



RAM

Flash

Part Number

Long Range

GPIO

Sleep Clock

Performance Level	Interface	Series	Part Number	Long Range	GPIO	Sleep Clock		
High Performance Interface: USB, SPI, UART, I2C, I2S, PDM, 12bit ADC, NFC-A		nRF5340	512KB (App.) 64KB (Network)	1MB (App) 256KB (Network)	EB5340BA1	<input checked="" type="checkbox"/>	46	Internal
			EJ5340BA1	<input checked="" type="checkbox"/>	33	External		
		nRF52840	256KB	1MB	★ EB2840AA2	<input checked="" type="checkbox"/>	46	Internal
					★ EJ2840AA2	<input checked="" type="checkbox"/>	15	External
					ED2840AA2	<input checked="" type="checkbox"/>	19	External
		nRF52833	128KB	512KB	EB2833AA2	<input checked="" type="checkbox"/>	40	Internal
					EJ2833AA2	<input checked="" type="checkbox"/>	15	External
					ED2833AA2	<input checked="" type="checkbox"/>	19	External
		Standard Interface: UART, SPI, I2C, I2S PDM, NFC-A Interface: USB, UART, SPI, I2C, NFC-A		nRF52832	64KB	512KB	EC2832AA2	<input type="checkbox"/>
EJ2832AA2	<input type="checkbox"/>						15	External
ES2832AA2	<input type="checkbox"/>						15	External
nRF52820	32KB			256KB	★ EC2820AA2	<input checked="" type="checkbox"/>	16	Internal
					★ ES2820AA2	<input checked="" type="checkbox"/>	12	External
Basic Interface: UART, SPI, I2C, PDM		nRF52811	24KB	192KB	EC2811AA2	<input checked="" type="checkbox"/>	30	Internal
					ES2811AA2	<input checked="" type="checkbox"/>	15	External
		nRF52810	24KB	192KB	EC2810AA2	<input type="checkbox"/>	30	Internal
					ES2810AA2	<input type="checkbox"/>	15	External

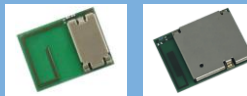
★ : Application Embedded

Module Size

Full-size
10.0 x 15.4 x 2.0 mm



Middle
9.6 x 12.9 x 2.0 mm



Small
5.1 x 11.3 x 1.3 mm





Ultra-small
3.25 x 8.55 x 1.00 mm



Wireless LAN Modules



		Part Number	Bluetooth®	Antenna	Radio Type Approval		
Host-less Type	Wireless LAN + MCU IEEE802.11b/g/n MCU: Cortex-M4F (200MHz) RAM: 512KB Flash ROM: 4MB Interface: UART, SPI	88MW320	WKM320AA1	Not supported	Integrated Antenna	<input checked="" type="checkbox"/>	 21.4 x 14.0 x 2.4 mm
	Wireless LAN + Bluetooth IEEE802.11ac/a/b/g/n 1x1 SISO Interface: SDIO3.0, PCM	88W8887	WK8887AA1	<input checked="" type="checkbox"/> v4.2	Integrated Antenna	<input checked="" type="checkbox"/>	 24.0 x 11.5 x 2.0 mm