

Ultra low power wireless connectivity solutions

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Product Line	Product Series <small>RF: Radio Frequency "wireless"</small>	ICs <small>Integrated Circuits "chips"</small>	Operating Band	Wireless Protocol	IC Type			On-chip CPU	On-chip Memory <small>OTP: One Time Programmable</small>	Peripherals																Applications												Ref. Designs	Dev Tools	WLCSP <small>Wafer-level chip-scale package option</small>
					SoC <small>System-on-Chip</small>	Connectivity	Transceiver			Oscillators	2-Wire	ADC	AES	Analog Comparator	Battery Monitor	I2S	MDU	PWM	Real Time Clock	RNG	SPI	S/PDIF	Temperature Sensor	UART	USB	App Accessories	PC Peripherals	Sports & Fitness	Gaming	Cellphone Accessories	Consumer Electronics	Automation	Healthcare	Toys	Wearables					

2.4-GHz RF																																	
2.4 GHz	nRF24L	nRF24LE1	2.4GHz	Proprietary	●			8051	1kB + 256B RAM 16kB + 1.5kB Flash	16MHz / 32kHz Crystal 16MHz / 32kHz RC	●	●	●			●	●	●	●										PC Desktop, Smart Remote, R/C Toy	nRFgo Dev Kit Prog. Kit			
		nRF24LE1 OTP	2.4GHz	Proprietary	●			8051	1kB + 256B RAM 16kB + 1kB OTP	16MHz / 32kHz Crystal 16MHz / 32kHz RC	●	●	●			●	●	●	●											PC Desktop, Smart Remote, R/C Toy	nRFgo Dev Kit Prog. Kit		
		nRF24LU1+	2.4GHz	Proprietary	●			8051	2kB + 256B RAM 16/32kB Flash	16MHz Crystal			●			●					●	●									PC Desktop, Smart Remote, R/C Toy	nRFgo Dev Kit Prog. Kit	
		nRF24LU1+ OTP	2.4GHz	Proprietary	●			8051	2kB + 256B RAM 16kB + 1kB OTP	16MHz Crystal			●			●					●	●									PC Desktop, Smart Remote, R/C Toy	nRFgo Dev Kit Prog. Kit	
		nRF24L01+	2.4GHz	Proprietary		●		-	-	16MHz Crystal													●	●							-	Eval Kit	
	nRF24 Audio Streamer	nRF2460 (mono)	2.4GHz	Proprietary		●		-	-	16MHz Crystal		●				●										●	●			Microphone	nRFgo Dev Kit		
		nRF24Z1 (stereo)	2.4GHz	Proprietary		●		-	-	16MHz Crystal		●				●	●									●	●			-	Eval Kit		
	nRF51	nRF51822	2.4GHz	Bluetooth v4.x & Proprietary	●			Cortex M0	32kB or 16kB RAM 128kB or 256kB Flash	16MHz / 32kHz Crystal 16MHz / 32kHz RC	●	●	●				●	●	●			●	●	●	●	●	●	●	●	PC Desktop, Smart Remote	Eval Kit, Dev Kit	●	

Sub 1-GHz RF																														
Sub 1-GHz	nRF900 Multiband	nRF9E5	433 / 868 915MHz	Proprietary	●			8051	4kB + 256B RAM	4 / 8 / 12 / 16 / 20MHz Crystal		●					●	●	●									-	Eval Kit	
		nRF905	433 / 868 915MHz	Proprietary			●	-	-	4 / 8 / 12 / 16 / 20MHz Crystal																			-	Eval Kit

Bluetooth Smart																															
Bluetooth	nRF8000	nRF8001	2.4GHz	Bluetooth v4.x		●		-	-	16MHz / 32kHz Crystal 32kHz RC									●	●				●	●	●	●	PC Desktop, Smart Remote, Smartphone Demo Apps	nRFgo Dev Kit Prog. Kit		
		nRF8002	2.4GHz	Bluetooth v4.x	●			-	-	16MHz Crystal 32kHz RC																			Key Tag, Smartphone Demo Apps	nRFgo Dev Kit Prog. Kit	
	nRF51	nRF51822	2.4GHz	Bluetooth v4.x & Proprietary	●			Cortex M0	32kB or 16kB RAM 128kB or 256kB Flash	16MHz / 32kHz Crystal 16MHz / 32kHz RC	●	●	●					●	●	●			●	●	●	●	●	●	PC Desktop, Smart Remote, Smartphone Demo Apps	Eval Kit, Dev Kit	●
		nRF51422	2.4GHz	Bluetooth v4.x & ANT	●			Cortex M0	32kB or 16kB RAM 128kB or 256kB Flash	16MHz / 32kHz Crystal 16MHz / 32kHz RC	●	●	●					●	●	●			●	●	●	●	●	●	Smartphone Demo Apps	Eval Kit, Dev Kit	●

ANT																															
ANT+	nRF24AP2	nRF24AP2-1CH	2.4GHz	ANT		●		-	-	16MHz / 32kHz Crystal																		Smartphone Demo Apps	ANT Dev Kit		
		nRF24AP2-8CH	2.4GHz	ANT		●		-	-	16MHz / 32kHz Crystal																			Smartphone Demo Apps	ANT Dev Kit	
		nRF24AP2-USB	2.4GHz	ANT		●		-	-	16MHz Crystal																			ANT USB Dongle	ANT Dev Kit	
	nRF51	nRF51422	2.4GHz	Bluetooth v4.x & ANT	●			Cortex M0	32kB or 16kB RAM 128kB or 256kB Flash	16MHz / 32kHz Crystal 16MHz / 32kHz RC	●	●	●					●	●	●			●	●	●	●	●	Smartphone Demo Apps	Eval Kit, Dev Kit	●	