Platform	Unit	TI CC2540/1	CSR1001/CSR1000	NordicSemi nRF51822	DialogSemi DA14580	Broadcom BCM20732	Quintic 9020	Lapis ML7105
Processor		8051	16 bit proprietary	Arm Cortex M0	Arm Cortex M0	Arm Cortex M3	Arm Cortex M0	Arm Cortex M0
Flash size	kB	128/256	64 (ROM)	128/256	32 (OTP)	NA	NA	64
RAM size	kB	8	64	16	42K SRAM & 8K Retention RAM	NA	NA	12 User code, 16 Data
RX Sensitivity	dBm	-93	-92.5	-93	-93	NA	-95	-85
TX Max Power		4	7.5	4	NA	NA	NA	3
GPIO		21	32	31	32	NA	31	
ADC		12 bit, 8 chl, up to 30 kHz	10 bit, 3 ch, up to 700 Hz	10 bit, 8 ch, upto 14 kHz	10 bit	Yes	Yes	-
I2C		1, if not USB	1	2	1	1	Yes	1
SPI		-	1	2	1	1	Yes	1
UART		2	1	1	1	1	Yes	1
USB		Full-Speed	-	-	-	-	-	-
DMA		5 Channel	1 channel	16 PPI,No DMA	NA	NA		-
Timer 32 bit		-	-	1				
Timer 16 bit		1	-		2	2+wakeup timer		
Timer 8 bit		2	-	-				
Other peripherals		OPAMP, Comparator, WDT, AES Encryption	AES, LED PWM	AES, WDT, Internal DC/DC regulator, RNG QDEC, 4 PWM channels,	AES, WDT, Internal DC/DC regulator, QDEC	DAC	DC/DC Regulator	AES, WDT
Active RX	mA	19.6	16	13	3.8	NA	8	9
Active TX at 0 dBm	mA	27	16	10.5	3.8	NA	8	9
Idle	mA		1	275 uA/MHz				3
Processor Off	uA	235						
RTC Timer on	uA	0.9	1.5	2.3 uA	0.6			2.9
External Interrupt	uA	0.4	0.4	0.5	0.6			0.7
Package		40 pin QFN	56 pin QFN	48 pin QFN	48&40 pin QFN, 34 WLCSP	32 pin QFN		WQFN32
BLE stack		Free, from TI	From CSR	From NordicSemi	Integratedin ROM	Yes, already in ROM		
Support Forum		TI E2E Community		Nordic DevZone	support.dialog-semiconudctor.com/			
IDE to use		IAR Studio	Proprietary IDE	Keil, Eclipse+GCC	Keil	NA		
Development Board		CC2540DK, CC2540EMK	DK-CSR1000-10048	nRF51822-EK	DA14580 Motherboard + WCSP or QFN daughterboards	BCM920732_BLE_KIT		
Price of Dev Board		101	300	108	NA	166		
Price of IC (single IC)	$	5.62	3.1	3.84	NA	NA	NA	NA
Price of IC (bulk quantiy)	$	2.59	NA	1.91	NA	NA	NA	NA