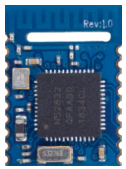
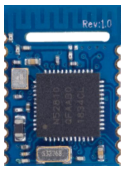
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NORDIC nRF52 Series Multi-Protocols Modules

Part Number	RF-BM-ND06	RF-BM-ND05I	RF-BM-ND05	RF-BM-ND08	RF-BM-ND04I	RF-BM-ND04	RF-BM-ND08C	RF-BM-ND04CI	RF-BM-ND04C
Photo									
IC	nRF52840			nRF52832			nRF52810		
Core	64 MHz ARM® Cortex®-M4F			64 MHz ARM® Cortex®-M4F			64 MHz ARM® Cortex®-M4		
RAM	256 kB			64 kB			24 kB		
Flash	1 MB			512 kB			192 kB		
Protocols	BLE5.3, BLE 2M, BLE Long Range, Proprietary, Thread, ZigBee, ANT, NFC, Matter, Bluetooth Mesh			BLE5.3, BLE 2M, Proprietary, ANT, NFC, Bluetooth Mesh			BLE5.3, BLE 2M, Proprietary, ANT		
Max. TX Power	+8 dBm			+4 dBm			+4 dBm		
Receiving Sensitivity	-103 dBm @ 125 kbps LE Coded PHY -95 dBm @1 Mbit/s BLE			-96 dBm @1 Mbit/s BLE			-96 dBm @1 Mbit/s BLE		
UART Protocol	Master-slave, 8 connections at most			Master-slave, 8 connections at most			Slave only		
Power Supply	1.7 V ~ 5.5 V, recommend to 3.3 V	1.7 V ~ 3.6 V, recommend to 3.3 V							
Antenna	PCB	IPEX//RF ANT interface	PCB	PCB//RF ANT interface	IPEX//RF ANT interface	PCB	PCB/RF ANT interface	IPEX//RF ANT interface	PCB
Transmission Range	210 m @ 1M PHY 440 m @ LE CODE	External PCB antenna 125 m @ 1M PHY 560 m @ LE CODE	200 m @ 1M PHY 430 m @ LE CODE	180 m	350 m (external PCB antenna)	270 m	175 m	350 m (external PCB antenna)	270 m
GPIO	48	29	29	16	29	29	16	29	29
Dimension (mm)	24.0 x 20.5 x 2.2	24.8 x 15.0 x 2.3	24.8 x 15.0 x 2.3	15.2 x 11.2 x 1.7	24.8 x 15.0 x 2.3	24.8 x 15.0 x 2.3	15.2 x 11.2 x 1.7	24.8 x 15.0 x 2.3	24.8 x 15.0 x 2.3
Certifications	FCC, CE	N/A	FCC, IC, CE	N/A	N/A	FCC, CE	N/A	N/A	FCC
Working Temperature	-40 ℃ ~ +85 ℃								
Storage Temperature	-40 ℃ ~ +125 ℃								
Applications	Gateway, sensors, intelligent industry, medical industry, ESL								

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