

EFR[®]

... the world's most energy friendly radios

World class energy consumption

- *Continuous receive mode*
 - 4 mA
- *Continuous transmit modes*
 - 5 mA, 0 dBm @ 868 MHz
 - 6 mA, 0 dBm @ 2.4 GHz
 - 14 mA, +10 dBm @ 868 MHz
- *System On Chip features*
 - ARM Cortex-M3 processor
 - Up to 256 KB Flash memory
 - Up to 16 KB RAM memory

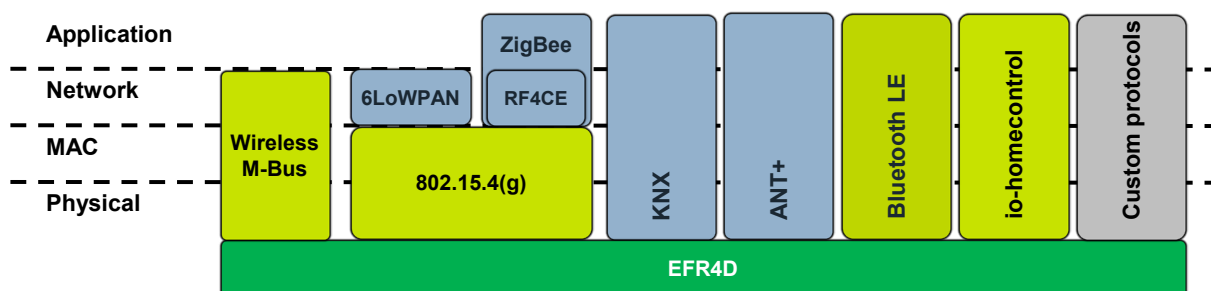
World class radio performance

- *Max output*
 - +17 dBm @ 868 MHz
 - +13 dBm @ 2.4 GHz
- *Sensitivity*
 - -121 dBm, FSK 1.2 kbit/s
 - -110 dBm, FSK 38.4 kbit/s
 - -101 dBm, O-QPSK 250 kbit/s
 - -95 dBm GFSK 1 Mbit/s
- *Selectable baud rates*
 - 300 bit/s - 4 Mbit/s
- *Modulation formats*
 - (G)FSK/4(G)FSK/(G)MSK
 - O-QPSK/(D)BPSK/OOK/ASK

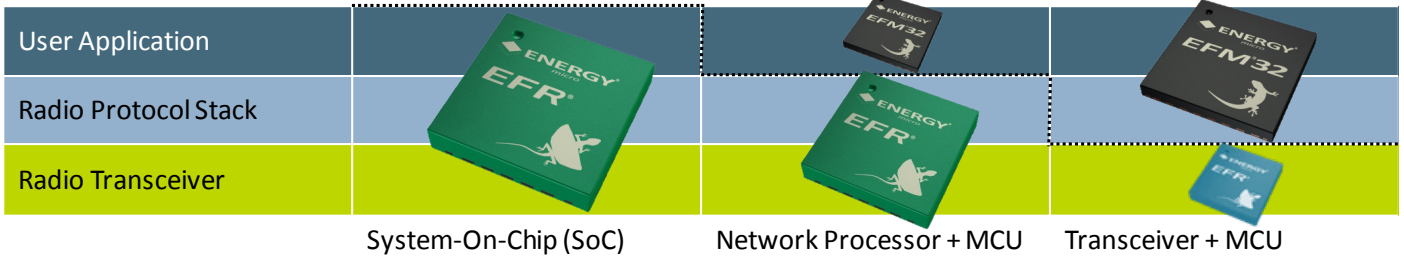
Comprehensive Protocol Support

Provided by Energy Micro

Provided by Third Party



EFR4D Draco - the world's most energy friendly 3-in-1 radio transceiver



SoC QFN48 (7x7 mm)	EFR4D2210 16 32 64 128 256 8 8 16 16 16	EFR4D2230 16 32 64 128 256 8 8 16 16 16	EFR4D2240 16 32 64 128 256 8 8 16 16 16	EFR4D2250 16 32 64 128 256 8 8 16 16 16	EFR4D2280 16 32 64 128 256 8 8 16 16 16	EFR4D2290 16 32 64 128 256 8 8 16 16 16
SoC (NWP) QFN32 (5x5 mm)	EFR4D2010 16 32 64 128 256 8 8 16 16 16	EFR4D2030 16 32 64 128 256 8 8 16 16 16	EFR4D2040 16 32 64 128 256 8 8 16 16 16	EFR4D2050 16 32 64 128 256 8 8 16 16 16	EFR4D2080 16 32 64 128 256 8 8 16 16 16	EFR4D2090 16 32 64 128 256 8 8 16 16 16
Transceiver QFN32 (5x5 mm)	EFR4D1010 - 4	EFR4D1030 - 4	EFR4D1040 - 4	EFR4D1050 - 4	EFR4D1080 - 4	EFR4D1090 - 4
	167-183 MHz	292-320 MHz	422-464 MHz	470-510 MHz	863-956 MHz	2.4-2.5 GHz

SoC: System On Chip
 NWP: Network Processor
 Transceiver: Without ARM Cortex-M3

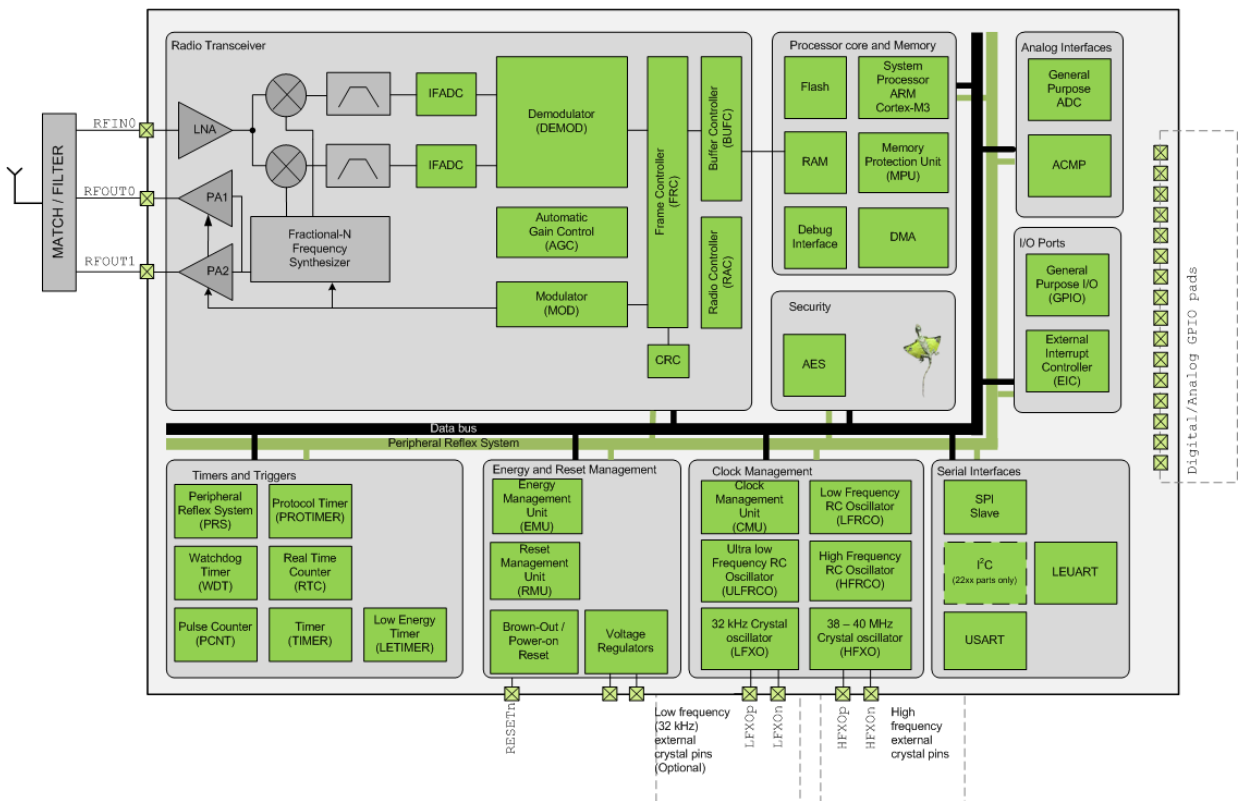
Memory size in kBytes

Flash RAM

QFN32, 5x5 mm, 0.5 mm pitch

QFN48, 7x7 mm, 0.5 mm pitch

EFR4D Draco includes world class features



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