

Embedded
Flash or PSRAM

SPI

I2C

I2S

SDIO

UART

TWAI®

ETH

RMT

PWM

Touch sensor

DAC

ADC

Timers

Bluetooth
link
controller

Bluetooth
baseband

Wi-Fi MAC

Wi-Fi
baseband

RF
receive

Clock
generator

RF
transmit

Switch

Balun

Core and memory

2 (or 1) x Xtensa® 32-
bit LX6 Microprocessors

ROM

SRAM

Cryptographic hardware
acceleration

SHA

RSA

AES

RNG

RTC

PMU

ULP
coprocessor

Recovery
memory