

CSR8311

CSR8311 is a Bluetooth v4.1 single-chip radio and baseband IC for automotive applications. CSR8311’s dual-mode radio enables it to connect to the billions of Bluetooth products already on the market, as well as a new generation of Bluetooth low energy devices. The CSR8311 provides a system fully qualified to the Bluetooth v4.1 specification for data and voice communications.

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CSR8311 Specs

Bluetooth

Bluetooth Version

- Bluetooth 4.1

Bluetooth Technology

- Bluetooth Low Energy
- Dual-mode Bluetooth

Maximum Output Power

- 9.5dBm transmitter

Bluetooth Radio

- 50Ω
- -92.5dBm receiver sensitivity

Class Support

- Class 3
- Class 2
- Class 1

USB

USB Version

- USB 2.0

Audio

Digital Microphone Input

- 2 digital mics

Interface

Supported Interfaces

- UART
- USB 2.0
- PCM
- I²S

Package

Package Type

- QFN
- 6 x 6 x 0.9 mm 0.5 mm pitch QFN

Package Size

- 0.5mm Pitch