

## Product Overview

### AX-SFUS: RF Transceiver SoC, Sigfox™ Verified RCZ2, Ultra-low Power'

For complete documentation, see the data sheet.

The AX-SFUS is a single chip solution for a node on the Sigfox network in RCZ2 region (Americas) . In the Internet of Things the domain of nation wide coverage and ultra low power consumption for smallest amounts of data can not be addressed by established standards such as GPRS or LTE. This void is now filled by Sigfox, the ultra low power cellular connectivity solution.

### Features

- Lowest Power Radio
- 100 nA deep sleep current
- 24 dBm output power reference design
- Ultra-low power consumption for a nationwide bi-directional network node
- Continuous radio TX-mode at 902.2 MHz  
230 mA @ 24 dBm
- Up-Link and Down-Link
- "Sigfox Ready" Class 0 certified

### Applications

- Industrial IoT

### End Products

- Building and Home Automation
- Automatic Meter Reading
- Sensor and Asset tracking
- Control and Lighting

### Part Electrical Specifications

Product	Pricing (\$/Unif)	Compliance	Status	Data Transmission Standard	Frequency Band (MHz)	Carrier Frequency (MHz)	Package Type
AX-SFUS-1-01-TX30	1.9197	Pb-free Halide free non AEC-Q and PPAP	Active	RF	-	902.2 Mhz 905.2 Mhz	QFN-40

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 10/22/2021