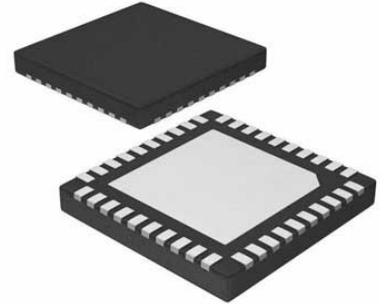


RF Transceiver SoC, Sigfox™ Verified RCZI, Ultra-low Power*

Manufacturers	ON Semiconductor, LLC
Package/Case	QFN-40
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AX-SFEU-1-01-TB05 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AX-SFEU is a single chip solution for a node on the Sigfox network. 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.

Add Sigfox functionality for up-link and down-link to any existing system at the cost of 20x13 mm² PCB area. It can also be used as a single chip solution that control small sensor nodes. The AX-SFEU device is fully programmed for immediate operation as a Sigfox node.

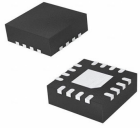
Features

- Lowest Power Radio
- 950 nA sleep current
- Capability of running other sub-1G protocols such as wireless M-Bus on the same hardware
- 45 mA TX current at 14 dBm output power
- 10 mA RX current
- Ultra-low power consumption for a nationwide bi-directional network node
- Up-Link and Down-Link

Application

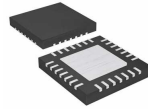
ONSEMI

Related Products



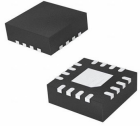
[AX-SFEU-1-03-TX30](#)

ON Semiconductor, LLC
40-VFQFN



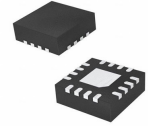
[AX5051-1-TW30](#)

ON Semiconductor, LLC
QFN-28



[AX-SFUS-1-01-TX30](#)

ON Semiconductor, LLC
40-VFQFN



[AX-SFEU-API-1-01-TX30](#)

ON Semiconductor, LLC
40-VFQFN Exposed



[MC1496PG](#)

ON Semiconductor, LLC
PDIP-14



[MC1496BDG](#)

ON Semiconductor, LLC
SOIC-14



[MC1496DG](#)

ON Semiconductor, LLC
SOIC-14



[FDD86369-F085](#)

ON Semiconductor, LLC
DPAK-3