

ZigBee 802.15.4 transceiver and ZNet networking

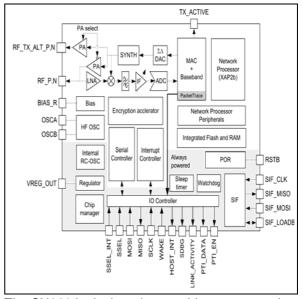
Data Brief

Features

- Complete network processor plus radio containing a complete Zigbee implementation up to the network layer
- Simple SPI-slave or UART interface to an application microcontroller, providing the full serialized ZNet interface
- Flexible Antenna Interface allows easy antenna connection with or without external PA
- Excellent noise immunity to 802.11 background; exceeds 802.15.4 adjacent/alternate channel rejection specification for improved co-existence
- Digital RSSI / 802.15.4 Link Quality Indication
- Hardware supported network level debugging
- Hardware Encryption Engine (AES 128) with true Random Number Generator
- Integrated sleep oscillator allows a single crystal design, reducing cost and power consumption
- Fully compatible with Ember's EM260

Description

The SN260 is a network processor chip that has been designed for low power, low cost, mesh networking industry standards-based protocol — ZigBee.



The SN260 is designed to provide customers the flexibility of choosing their own microcontroller to run their application, while interfacing to the SN260 to provide all the ZigBee functionality. This flexibility allows customers to ZigBee-enable existing products very rapidly using toolchains that they are familiar with.

The SN260 integrates an industry-proven network processor which is preloaded with ZNet, the ZigBee-compliant software stack codeveloped by Ember and STMicroelectronics.

Order Codes

Part Number	Operating Temperature	Package	Packing	Marking
SN260Q	-40 to +85°C	QFN40	Tray	SN260
SN260QT	-40 to +85°C	QFN40	Tape & Reel	SN260

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