

TI CC430 with Sensinode NanoStack™ 2.0

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“State of art solution for multiple industry verticals”

“True end-to-end IPv6 based mesh”

“Proven stack robustness and scalability”

“Enables significant cost savings in overall network infrastructure”

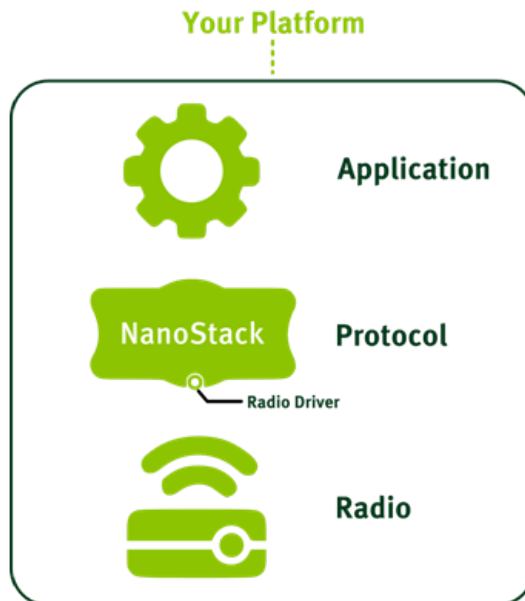
NanoStack™ 2.0



NanoStack™ 2.0 is the next generation release of Sensinode's field-proven communication stack for IP-based wireless sensor networks. It leverages the unrivaled scalability and seamless Internet integration of 6LoWPAN.

Key Benefits

- Any Radio or MCU
- For OEMs, system integrators, solution providers
 - Provides fast, easy and cost-efficient 6LoWPAN mesh technology deployments
- Industry's smallest code size and RAM usage
- Proven robustness and scalability
 - Enables significant cost savings in overall network infrastructure
- Support for TI CC1110, CC430, MSP430, CC2430, CC2530



Key Features

- 868/915 MHz chip support
- 2.4 GHz chip support
- 32-64 kB of flash typical (inc. application)
- 4-8 kB of RAM typical
- 6LoWPAN, IPv6, UDP, ICMPv6 standards
- IEEE 802.15.4-2006 standard
- NanoMesh™ (RPL) routing
- Network autoconfiguration
- 128-bit AES security support
- Network processor and library versions

NanoStack & CC430

- World's first 6LoWPAN sub-GHz implementation on CC430
- Off-the-shelf support for 868 MHz and 915 MHz ISM bands
- Support for draft-802.15.4g PHY & MAC
- Utilizing open standards from IETF, IEEE and W3C

- A complete networking solution with
 - Autoconfiguration
 - Self healing
 - Full routing functionality
 - Link statistics
 - Sleeping nodes etc.

- Available as network processor and binary library
- Available also on MSP430+CC1101
- Embedded Web Services support
- Customization services available

A complete low-power RF mesh solution with Sensinode NanoRouter™ 2.0 access point software and NodeView network monitoring tool → True end-to-end IPv6 based mesh