

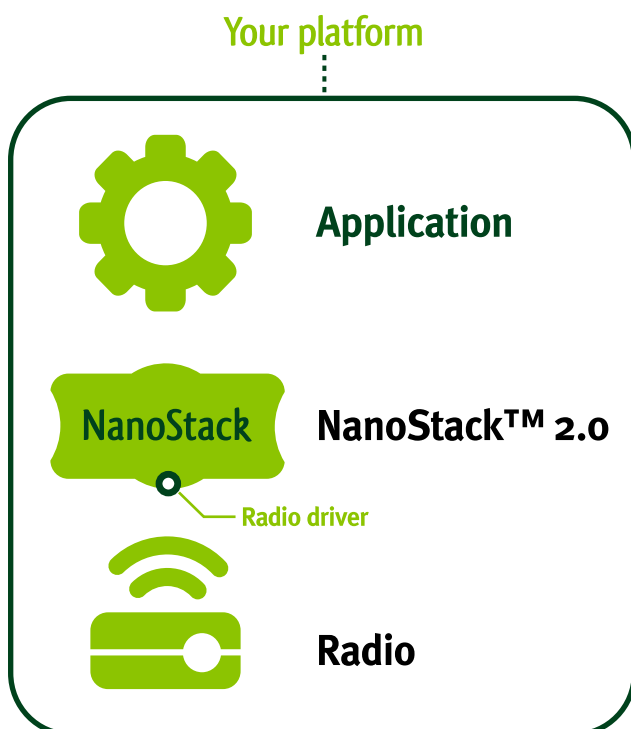


sensinode

# Building the Embedded Web

## NanoStack™ 2.0 - IP-based protocol

NanoStack™ 2.0 is the next generation release of Sensinode's field-proven communication stack for IP-based wireless sensor networks. NanoStack™ 2.0 is platform and radio independent and it gives chip manufacturers, OEMs, system integrators and solution providers a fast, easy and cost-efficient way to harness Sensinode's innovative 6LoWPAN low-power mesh technology on inexpensive radios. Key features include the industry's best code footprint, as little as 32 k of flash, support for 2.4 GHz and Sub-1GHz chips, extreme robustness, and the potential to support customer applications on the same processor (SoC) as the IP network stack. NanoStack™ 2.0 can also be ported to other radio and micro-controller platforms.



### Key Features

- RF interface support
  - 2.4 GHz (IEEE 802.15.4)
  - Sub-1GHz (IEEE 802.15.4g)
- Supported IEEE and IETF standards
  - 6LoWPAN (ND, HC, RPL), UDPv6, ICMPv6, TCP
- Custom porting available
- Self-healing Mesh network
- Self-configurable
- Support for Multicast forwarding
- 128-bit AES security support
- Network processor and library versions
- Support for 6LoWPAN Bootstrap and link-local operation modes

### Related Sensinode Products

- NanoRouter™ 2.0
- NanoService™ Platform