

## Nordic Semiconductor's Concurrent ANT+ and Bluetooth Low Energy Combo Chip

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[1][Nordic Semiconductor](#) [2] (Oslo, Norway) has announced the release of the nRF51922 System-on-Chip (SoC), the multiprotocol SoC solution offering concurrent ANT+ and Bluetooth low energy wireless communication natively in a single chip.

By bringing together these two popular wireless technologies, the newest addition to Nordic Semiconductor's multiple award-winning nRF51 Series means product developers in markets like sport, wellness, healthcare, and smartphone accessories will no longer be forced to choose between one or other of these previously incompatible wireless technologies.

The nRF51922 enables full flexibility in using one or both protocols concurrently in a product, enabling multiprotocol accessories and compatibility with ANT+ and Bluetooth Smart Ready hubs. This will also powerfully benefit end users who will no longer be forced to make hard choices between these two ecosystems when purchasing products.

The nRF51922:

- Is drop-in compatible with existing nRF51 series devices.
- Features Nordic's brand new 'S310' SoftDevice that combines the ANT+ and Bluetooth low energy stacks in a single software framework.
- Offers the same fully autonomous, secure, and event-driven application interface as existing Nordic SoftDevices, which includes a clean separation of protocol stacks and application firmware to greatly simplify firmware development and testing, and maximize operational reliability.

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Pin-compatible hardware and a familiar interface on the S310 for existing Nordic S110 (Bluetooth low energy) and S210 (ANT+) SoftDevice users means Nordic customers that already have an nRF51 Series ANT+ or Bluetooth low energy product will be able to keep existing hardware design and firmware unchanged, and only add needed firmware support for the new protocol stack when adopting the nRF51922.

For more information, please visit [www.nordicsemi.com](http://www.nordicsemi.com) [2]

### Source URL (retrieved on 01/25/2015 - 1:32pm):

<http://www.wirelessdesignmag.com/product-releases/2013/10/nordic-semiconductors-concurrent-ant-and-bluetooth-low-energy-combo-chip>

### Links:

[1] <http://r20.rs6.net/tn.jsp?e=001xC8Q7QciH7DGEEmM0y-WE7DuwIP9ztvO5C6jGZVBVqK71t1WV0u6WMHQ55ybYKf0psu9K1keO-zgYmUxn355xtRptyK8ZPhuGX-NtXCZFYPIWt95KwSQAKNVxXYMSk0EumGjskdQKisPuG1SguKO47QVIt6C5m551>

[2] <http://www.nordicsemi.com>