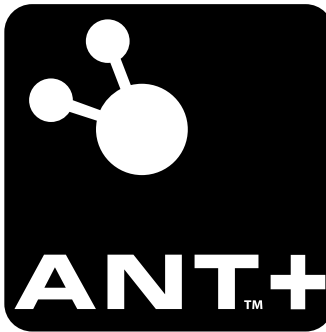
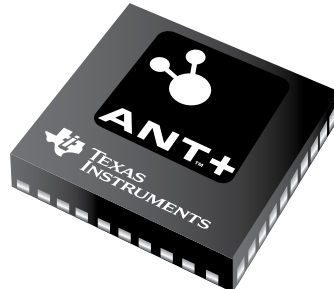
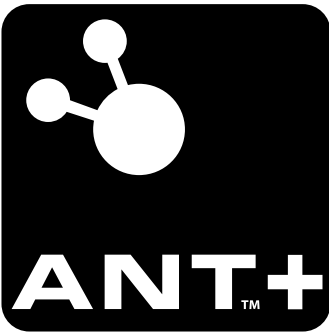
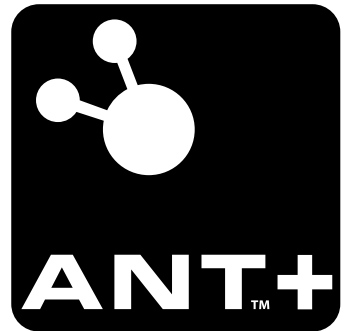
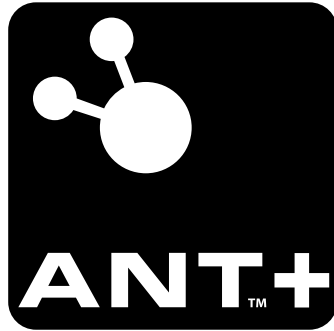


TI ANT™ Solutions



Ultra-low power, short range wireless connectivity for consumer health, sports and fitness applications

Texas Instruments provide ANT solutions for both sensor applications and mobile handhelds. TI's ANT dual-chip solution for sensor applications combines market leading RF technology and the world's lowest power MSP430™ microcontroller. It features fully optimized hardware with high level of software integration, advanced features and application support.

www.ti.com/ant

What is ANT™?

ANT provides a simple, low cost and ultra-low power solution for short range wireless communication in point-to-point and more complex network topologies. Suitable for various applications, ANT is today a proven and established technology for collection, automatic transfer and tracking of sensor data within sports, wellness management and home health monitoring applications.

TI ANT – from Smart Sensors to Smart Phones

Texas Instruments' (TI) ANT products feature full system solutions for both sensor applications and mobile handheld devices. With both sides of the ANT link, TI delivers fully tested and robust ANT ecosystem solutions – from smart sensors to Smart Phones. TI's ANT solutions are developed in cooperation with Dynastream Innovations Inc, the company behind ANT. www.thisisant.com

CC257x network processor + MSP430™ MCU

TI's ANT sensor device is a dual-chip solution, combining market leading RF technology and the world's lowest power MSP430 microcontroller. The CC257x network processors are 2.4 GHz devices tailored for ANT sensor applications. The IC's are easy to integrate, low cost, with ultra-low power consumption and superior RF performance, making them versatile enough to support a wide range of applications.

ANT sensor solution from TI

- **Turnkey solution** – 2.4 GHz CC257x network processor, MSP430 host microcontroller, software and application support.
- **Ultra-low power** – enables sensor applications to operate for >1 year on a coin cell battery.
- **Superior RF performance** – up to +95 dB link budget. Excellent selectivity provides good coexistence with other 2.4 GHz devices.
- **High level of software integration and optimized hardware set** – small size, low BOM costs and fast time to market.
- **ANT-FS function pre-integrated on CC257x**
- **Fully tested ANT ecosystem-solution** – complete and robust solutions for both sensor applications and mobile handheld devices.
- **Over the air compatibility** – over the air compatible with all other ANT radios.



The CC257x network processor + MSP430 MCU + ANT protocol compose an optimized ANT hardware and software package. The solution's high level of pre-integrated software and small physical size minimizes board space, ensures low bill-of-material costs and fast time to market.

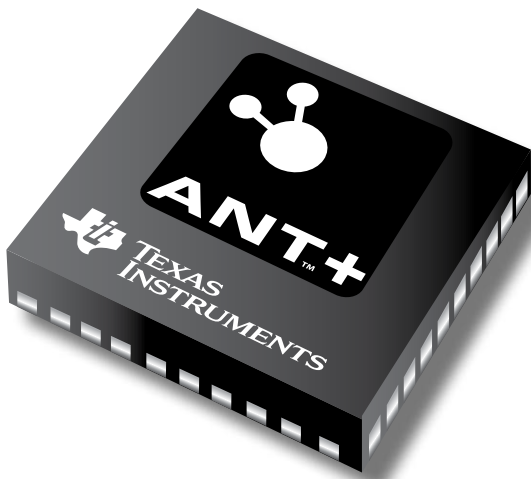
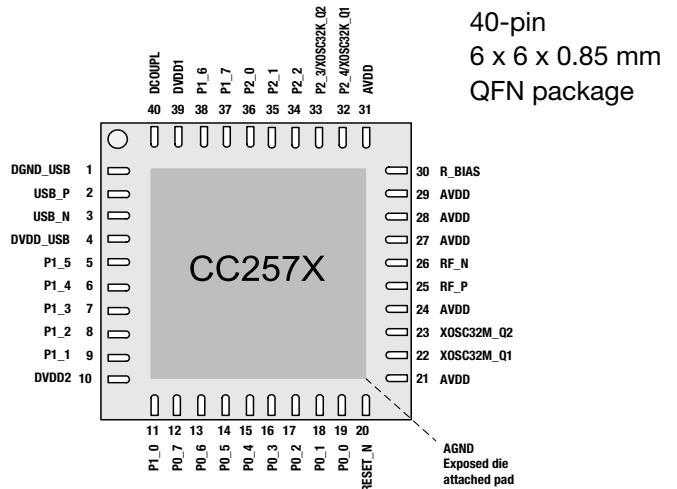
The CC257x includes a number of advanced features such as ANT-FS, AES support, 1 channel (CC2570) and 8 channel (CC2571) options, proximity pairing, frequency hopping and more.

With ANT-FS (file share) pre-integrated, the CC257x includes the function of automatic transfer of data between the sensor device and mobile handheld device when in range.

In cooperation with Dynastream Innovations Inc, TI delivers a full turnkey ANT sensor solution with 2.4 GHz CC257x network processor, ultra-low power MSP430 host microcontroller, software and application support.

CC257x advanced features

- 1 and 8 channel options
- Integrated ANT-FS function
- Proximity pairing
- Inclusion/exclusion lists
- Scanning channels
- High density node support
- Frequency hopping



CC257x development kits

Start your ANT-based application design with the TI evaluation kits.

Included in the kits are 4X CC257x modules, 2X battery board, 2X EEPROM board, 2X UIF sticks and 2X coin cell battery.

For more information on samples and kits visit www.ti.com/ant or contact us at tiant@ti.com

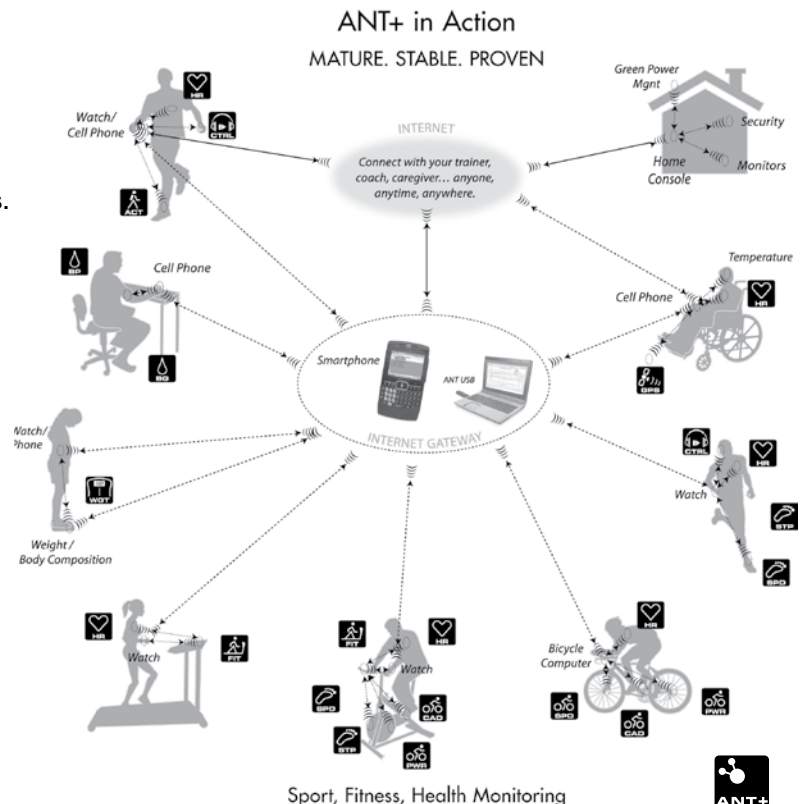
ANT+ ecosystem

The functionality of ANT enables mobile handheld device manufacturers to deliver ANT+ interoperable sports, fitness and consumer health monitoring products. Texas Instruments' WiLink™ family is the first to deliver ANT+ communication on a connectivity combo solution. Leveraging TI's connectivity leadership in the Smart Phone market, the ANT+ ecosystem is expanding its reach into the mobile handheld device market.

WiLink is the industry's first true single-chip mobile WLAN, GPS, Bluetooth®, Bluetooth low energy, ANT and FM transmit/receive solution. WiLink brings connectivity features to mainstream products such as smart phones, mobile Internet devices (MIDs), portable media players (PMPs), gaming devices and personal navigation devices (PNDs).

Existing devices based on WiLink solutions can enable ANT with a simple software upgrade, to connect to the many available ANT+ sensors today.

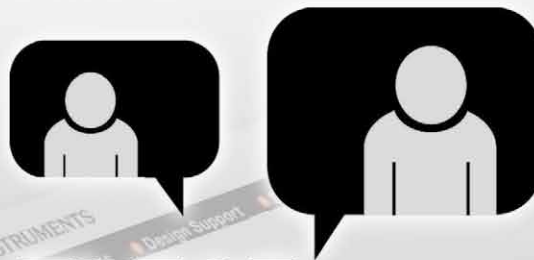
For more information visit www.ti.com/wilink



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