



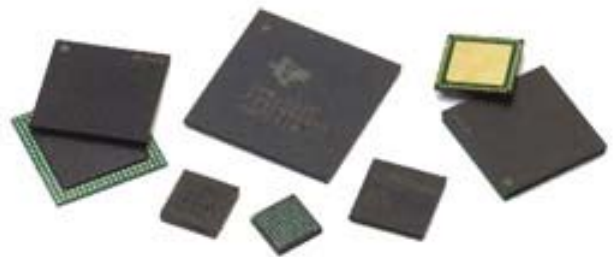
The IPWireless™ System on a Chip and Development Kit

The Solution for Handset Manufacturers and Consumer Electronics Makers

UMTS TD-CDMA Chipset Solution

The IPWireless second generation UMTS TD-CDMA System-on-a-Chip, the SoC2, is a complete UMTS TD-CDMA baseband and RF solution that handset and consumer electronics manufacturers can use to quickly create UMTS TD-CDMA-connected devices.

The SoC2 can easily be embedded into a variety of devices including USB/Ethernet modems, PCMCIA cards, Compact Flash modems, personal wireless access points, mobile phones, and PCI Express minicard modems. The chipset is low power and is form-factor independent making it an ideal solution for electronics makers to embed UMTS TD-CDMA capabilities into new and existing consumer products not conventionally associated with mobile broadband connectivity, such as digital cameras and handheld gaming devices.



The SoC2 is a 3GPP compliant solution available in several frequency bands, including all UMTS TD-CDMA frequency bands, and supports 5 MHz and 10 MHz channel bandwidths. It consists of three elements: the baseband ASIC package, which includes the SoC2 ASIC, Power Management ASIC and memory; the RF chipset with Analog Baseband chip and RF transceiver chip; and software including ThreadX RTOS, 3GPP compliant TD-CDMA protocol stack, Windows drivers for USB and PCMCIA and application software.

Network features supported by the SoC2 include: UMTS TD-CDMA operation; Extended cell; PLMN selection; SIM/USIM; Mobile IP; VoIP on shared channels; Multiple radio bearers; Pseudo DCH; Volume driven UL TFCS selection; FACH power control; DL power control; 16QAM; MusePlus™ Advanced Multi-User Detection; HSDPA and HSUPA; and VoIP DCH.

Key Features:

- > Full baseband and RF solution
- > Highly integrated 4 chip solution
- > Low power requirements
- > Available in all UMTS frequency bands
- > Supports 5 MHz and 10 MHz channel bandwidths
- > Form-factor independent
- > 3GPP compliant solution
- > Supplied with protocol stack and other software
- > Fully documented and supported



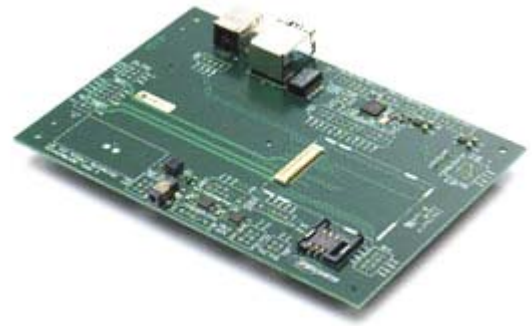
UMTS TD-CDMA Development Kit

The Development Kit provides easy, reliable, fully supported tools for consumer electronics makers looking to capture market share in the rapidly growing UMTS TD-CDMA ecosystem. And with millions of consumers covered by UMTS TD-CDMA networks globally, the time to develop UMTS TD-CDMA-connected devices is now.

The Development Kit contains everything developers need to create complete UMTS TD-CDMA-connected products, including the evaluation board, USB cable, power supply, CD-ROM with software and documentation pack, user guide, and frequency-specific evaluation module.

Typical applications of the Development Kit include USB/Ethernet modems, PCMCIA cards, Compact Flash modems, personal wireless access points, mobile phones, and PCI Express minicard modems. In addition, with the Development Kit consumer electronics makers can also embed UMTS TD-CDMA capabilities into new and existing consumer products not conventionally associated with mobile broadband connectivity, such as digital cameras and handheld gaming devices.

In addition to the Development Kit, IPWireless offers a "System-In-A-Box" (SIAB) which is a complete single sector cell site and core network, including optionally a VoIP gateway, in a small 19 inch rack. This solution may be purchased or leased from IPWireless.



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