

# 3G + LTE Dual-mode SoCs at Mobile World Congress 2012

Mindspeed Technologies will be showing over 30 different small cell products from 25 customers and demonstrating the latest in small cell technology at Mobile World Congress 2012 in booth 1E.57 at the Fira Montjuïc in Barcelona, Spain from February 27 to March 1, 2012. Mindspeed will be featuring the latest T22xx and T33xx dual-mode small cell system-on-chip (SoC) products, alongside other members of its award-winning Transcede family, as well as Picochip's 3G portfolio, following the recent acquisition.

Mindspeed is the leader in technology for small cell basestations, with 70% market share of (HSPA) shipments and more announced design engagements for (LTE) small cells than any other vendor. Products scheduled for display at the Mindspeed booth range from cost-effective residential, through enterprise and indoor base stations, to high-performance, high-power public access small cells and outdoor picocells. Some of the latter support local area base station (LABS) performance with up to 2 x 5W radios, and include HSPA+, LTE, as well as dual-mode systems.

Demonstrations at the booth will include a range of Mindspeed technologies:

- Residential HSPA Femtocell: Mindspeed will show a commercially-available femtocell integrated with a set top box featuring IPTV functionality. This solution enables femto services, such as the ability to recognize mobile handsets and devices connected to the femtocell while selecting video accordingly, including targeted ad insertion or custom content. The demonstration will also include a home-automation system enabling the user to control aspects of the home environment such as the central heating or security features from their phone.
- Enterprise HSPA Femtocell: A high-performance enterprise femtocell, integrating Power-over-Ethernet (PoE) for "one wire" simplicity will be showcased as part of an enterprise network demonstration. This demo will incorporate Mindspeed's HSPA technology and highlight a one step connection to a live core network.
- Frequency division duplexing LTE (FDD-LTE) and time division duplexing LTE (TDD-LTE) small cell base stations: Mindspeed will be showing commercial solutions for both varieties of LTE. These include carrier-grade solutions from a number of customers and partners. Mindspeed will also be showing the new T22xx and T33xx dual-mode SoCs.

Mindspeed is the only small cell SoC supplier with demonstrated support for all 3GPP air-interfaces: HSPA, TD-SCDMA, LTE FDD and TD-LTE.

"Previously, both Mindspeed and Picochip have showcased real-world customer products and this year is no different," said Rupert Baines, vice president of marketing at Mindspeed. "Small cells will be a big theme at the show and there is nowhere better to see the range of products and technologies available and

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shipping. From our recently released dual-mode product to new public access small cells, the combined portfolio and customer base of Mindspeed and Picochip clearly demonstrates the reality of this market, as well as our leadership position.”

Products planned for public display include:

- Two dozen unique HSPA femtocells and small cells, including those in commercial service with service providers from around the world.
- Real-world ecosystem participation from Mindspeed collaborators
- Six different TD-SCDMA femtocells from innovative small cell manufacturers
- Picocell-class products for enterprise, metro and rural markets

Throughout the show, Mindspeed will host a series of short presentations in Hall 1-Stand E57:

Monday, February 27

2:00 p.m. The CTO's espresso guide to SON

4:00 p.m. Small cells: enterprise, metro and rural femtocells for 3G

6:00 p.m. 70,000 base stations

Tuesday, February 28

10:00 a.m. Multi-processor signal processing for LTE base stations

12:00 p.m. The CTO's espresso guide to SON

2:00 p.m. Enable Multi-Mode Technology for TD-SCDMA and TDD-LTE to meet future challenges

4:00 p.m. Residential femtocells: cost-optimized and high-volume

5:00 p.m. 70,000 base stations

Wednesday, February 29

10:00 a.m. Residential femtocells: cost-optimized and high-volume

12:00 p.m. Multi-processor signal processing for LTE base stations

2:00 p.m. Small cells: enterprise, metro and rural femtocells for 3G

4:00 p.m. LTE deployment challenges and opportunities

5:00 p.m. Enable Multi-Mode Technology for TD-SCDMA and TDD-LTE to meet future challenges

Thursday, March 1

10:00 a.m. Multi-processor signal processing for LTE base stations

12:00 p.m. LTE deployment challenges and opportunities

2:00 p.m. Small cells: enterprise, metro and rural femtocells for 3G

To learn more, please visit [www.mindspeed.com](http://www.mindspeed.com) [1].

**Posted by Janine E. Mooney, Editor**

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### Links:

[1] <http://www.mindspeed.com>