Intel has a successful track record of commercially-deployed WCDMA, TD-SCDMA, and LTE solutions. With the Transcede T2K family, Intel has demonstrated carrier aggregation, supporting carriers for 2x10 MHz and 2x5 MHz.

Intel is well positioned in the small cell sector, capable of meeting near-term TD-SCDMA and LTE TDD dual-mode requirements.

Based on 2012 data from Infonetics Research*, Intel has 63 percent of the 3GPP small cell market segment. The remaining 37 percent is shared among all other suppliers.

Intel is the sole SoC vendor that has successfully deployed TD-SCDMA small cells with China Mobile†.

Intel is well positioned in the small cell sector, capable of meeting near-term TD-SCDMA and LTE TDD dual-mode requirements.

Industry Leadership

Dual-mode common platform SoC architecture with the industry’s first carrier-proven WCDMA, TD-SCDMA and LTE PHY (FDD & TDD)

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(408) 765-8080
www.intel.com

* 2012 & 2013

† 2012 & 2013
Small Cell Innovation

**Transcede® 2xxx SoC (T2K)**
- Targets residential, SOHO and small enterprise applications
- 3GPP Release 8/9/10 (LTE-A)
- Single mode or dual-mode operation
- 4-64 user support
- 20 MHz 2x2 LTE/3 Carrier TD-SCDMA
- Production silicon available

<table>
<thead>
<tr>
<th>Product</th>
<th>T2xxx Market Segment</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2100</td>
<td>LTE Residential/SOHO</td>
</tr>
<tr>
<td>T2130</td>
<td>LTE Small Enterprise</td>
</tr>
<tr>
<td>T2120</td>
<td>Dual-Mode Residential/SOHO</td>
</tr>
<tr>
<td>T2150</td>
<td>Dual-Mode Small Enterprise</td>
</tr>
</tbody>
</table>

**Transcede® 3xxx SoC (T3K)**
- Targets large enterprise and metro/hot spot applications
- Single mode or concurrent dual mode
- 32-128 user support
- 40MHz 2x2 LTE/6 carrier TD-SCDMA
- Production silicon available

<table>
<thead>
<tr>
<th>Product</th>
<th>T3xxx Market Segment</th>
</tr>
</thead>
<tbody>
<tr>
<td>T3100</td>
<td>LTE Enterprise</td>
</tr>
<tr>
<td>T3130</td>
<td>LTE Pico</td>
</tr>
<tr>
<td>T3120</td>
<td>Dual-Mode Enterprise</td>
</tr>
<tr>
<td>T3150</td>
<td>Dual-Mode Pico</td>
</tr>
</tbody>
</table>

**T2K Dual-Mode SoC Family**
- Residential and enterprise
- 3GPP Home and Local Area Base Station specification
- 3GPP Release 8/9/10 (includes carrier aggregation 2x20 MHz)
- 4-8 users/TTI
- MIMO 2x2
- Channel bandwidths up to 20MHz
- TD-LTE: 80 Mbps DL/20 Mbps UL TD-SCDMA: 3 carriers
- L1 and L2/L3 on a single device; Aricent®, Radisys® stack support
- Intel carrier class L1 PHY
- Secure architecture

**T3K Concurrent Dual-Mode SoC Family**
- Enterprise, Rural and picocell
- 3GPP Local Area Base Station specification
- 3GPP Release 8/9/10 (includes carrier aggregation 2x20 MHz)
- 8-16 users/TTI
- MIMO 2x2, MIMO 4x4
- Channel bandwidths up to 40 MHz (MIMO 2x2)
- TD-LTE: 160 Mbps DL/40 Mbps UL, TD-SCDMA: 6 Carriers
- L1 and L2/L3 on a single device; Aricent and Radisys stack support
- Intel carrier class L1 PHY
- Secure architecture

*Other names and brands may be claimed as the property of others.*

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