



# Consumer

## Smartbook, Netbook and Nettop



Applications	Freescale Products	Freescale Differentiators
<b>Smartbook</b> <b>Netbook</b> <b>Nettop</b>	-ARM® CPU: i.MX515†, 800 MHz ARM Cortex®-A8 with integrated 3-D and vector graphics accelerator, HD720p hardware decoder -Power management: MC13892 -Audio codec: SGTL5000  <b>Other possible products for netbooks and nettops:</b> -Li-Ion battery chargers: MC3467x -LCD LED backlight: MC34844 -Proximity sensor: MPR08x, Proximity IP -Three-axis accelerometers: MMA736xL, MMA745xL, MMA7660 -802.15.4 wireless connectivity: MC13224, MC13213	<ul style="list-style-type: none"> <li>• i.MX515†: ARM technology designed to enable sub-\$200 netbooks</li> <li>• High-performance 800 MHz ARM Cortex-A8 core (2100 DMIPS)</li> <li>• Integrated solution with graphics processor integrated in the CPU</li> <li>• Eight hours of netbook battery life</li> <li>• Full hardware accelerated HD720 playback               <ul style="list-style-type: none"> <li>- &lt;250 mW hardware video playback</li> <li>- &lt;18 mW audio playback</li> </ul> </li> <li>• Hardware accelerated Web browsing</li> <li>• Dual-core graphics solution (OpenGL 2.0, OpenVG 1.1 APIs)</li> <li>• Flexible memory architecture</li> <li>• Mobile DDR and DDR2 support</li> <li>• Comprehensive reference design with i.MX515† CPU, MC13892 power management IC and SGTL5000 audio codec, with several Linux® distributions available and pre-integrated 3G technology</li> <li>• Strong original design manufacturer (ODM) ecosystem for customized solutions</li> <li>• Leading provider of ZigBee® RF4CE /Synkro radio frequency (RF) technology, based on 802.15.4 networks</li> </ul>

Because of an order from the United States International Trade Commission, BGA-packaged product lines and part number indicated here currently are not available from Freescale for import or sale in the United States prior to September 2010: Indicated (†)