



# News Fact Sheet

## Intel® Atom™ Processor Z35xx

### Introducing “Moorefield”; 2014 Quad Core Processor Family for Android Devices

This year Intel will introduce the new Intel® Atom™ processor family Z35xx (code-named "Moorefield"), which offers an ideal combination of fast, smart performance and long battery life for Android devices. Based on Intel's 22nm Silvermont microarchitecture, the 64-bit-ready SoC features four Intel architecture (IA) cores for up to 2.3 GHz of compute performance. Devices based on Moorefield are expected to be available in the second half of 2014. Designed for mainstream and performance smartphones and tablets, Moorefield delivers:

#### Speed, Responsiveness and Power Efficiency:

Moorefield is based on the Silvermont CPU microarchitecture with out-of-order execution. The processor delivers excellent CPU performance, and delivers a 64-bit-enabled platform for innovative, high-performance applications. Optimized power efficiency delivers long battery life.

**Excellent Graphics Performance:** Moorefield features a next generation quad-cluster graphics engine from Imagination Technologies\*. OpenCL\* and RenderScript\* compute APIs provide programmer access to vast, parallel compute performance on CPU and GPU for new usages and improved visual experiences. The platform also supports VP8\* HW encode and decode for acceleration of new web technology that delivers real-time audio/video multimedia sharing between browsers and apps.

**Smarter, More Aware Devices:** Moorefield integrates a low-power sensor solution, Intel® Integrated Sensor Solution, which allows delivery of contextual information to apps with motion and gesture sensing, audio sensing, location sensing and contextual analyses without draining the battery.

**Fast 4G LTE Connectivity:** Moorefield is optimized for Intel's 2014 LTE platform, the [Intel® XMM™ 7260](#), which delivers competitive LTE-Advanced capabilities including five-mode support (expanding the addressable market) and carrier aggregation.

Moorefield is also a “conflict-free” product, which means this product does not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. For more information, visit [www.intel.com/conflictfree](http://www.intel.com/conflictfree).

#### About Intel

Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. Additional information about Intel is available at [newsroom.intel.com](http://newsroom.intel.com) and [blogs.intel.com](http://blogs.intel.com).

