

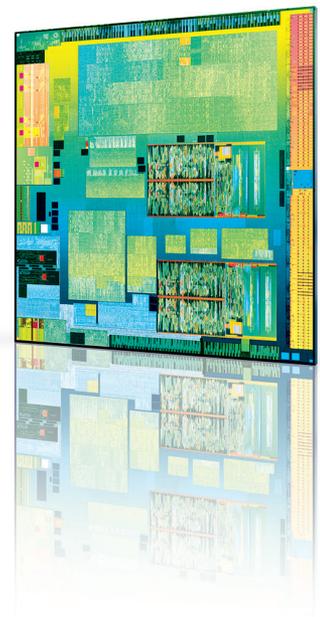


Intel® Atom™ Processor Z3000 Series
for Android* Tablets

Performance
that keeps up with you.

Great tablets have Intel Inside®

The new Intel® Atom™ processor Z3000 Series puts Intel Inside® and delivers Intel-level performance that keeps up with all you do, with lightning-fast web browsing and stunning, responsive visuals on your Android* tablet. Immerse yourself in entertainment with vibrant graphics and imagery for a rich experience, and wirelessly stream your favorite content to your HD TV. Enjoy extraordinary battery life that won't slow you down. Listen, watch, play and be productive on the go—without worrying about recharging—when you purchase a tablet with the new Intel Atom processor Z3000 Series. For everything you want to do, an Android tablet with Intel Inside is simply there for you.



Amazing performance for incredible experiences



The new Intel Atom processor Z3000 Series works and plays as hard as you do with incredibly responsive performance and stunning visuals for today's Android tablets. A powerful quad-core Intel Atom processor delivers up to 2x the processing performance¹ of previous-generation Intel Atom processors, allowing you to enjoy all your favorite web content and easily switch between multiple applications without slowing you down.

Featuring Intel® HD Graphics with Intel® Clear Video HD Technology,² tablets with the Intel Atom processor Z3000 Series deliver 2.4x better graphics performance³ than previous-generation Intel Atom processors, giving you smooth, immersive gaming and vivid visual entertainment. Video chats with friends and family are a high-quality breeze. And you'll enjoy your favorite shows and movies with amped-up 3D graphics performance.

Intel Atom processor Z3000 Series, with hardware-enhanced features, like built-in image stabilization and video format conversion, let you shoot your best video—and share it in a snap—effortlessly capturing every bit of the action like a pro. Many applications from Google Play* are optimized for Intel Atom processor Z3000 Series built-in hardware features.

And thanks to the highly energy-efficient system-on-chip (SOC) design of the Intel Atom processor Z3000 Series, you get to enjoy a new Android tablet for hours—at work or play—with its long-lasting battery life. Forget the charger and just go!

Work when you need to. Play when you want to.

Android tablets based on the Intel Atom processor Z3000 Series give you fast and responsive performance and stunning graphics in a beautifully sleek and lightweight form factor you can take, use and enjoy for hours and hours, anywhere—home, office and on the go.

Fast and fluid. Wherever you go.



2x faster
processing speed¹

2.4x

Better graphics
performance.³



Performance to keep up with all you do

FEATURE	INTEL® TECHNOLOGY	BENEFIT
Incredible Performance³	▪ Quad Core with Intel® Burst Technology 2.0 ⁴	Fast, responsive performance for new Google Play* apps and high-end Android* games lets you keep going without skipping a beat.
Slim, Light Designs	▪ System-on-Chip Design	Choose from the thinnest, lightest tablets available—as thin as ~8.5 mm and lighter than 1.3 pounds ⁵ —so you can use your tablet anywhere and everywhere.
Long Active Battery Life	▪ Energy-efficient Performance	Leave the charger at home for hours and hours of work and play. (Battery life varies significantly based on screen resolutions, battery size and screen size.)
Amazing Visuals	▪ Intel® HD Graphics ²	Enjoy 3D graphics performance and immersive visual experiences with incredible game play on displays up to 2560x1600 pixels.
Powerful HD Video and Image Capture	▪ Integrated Image Signal Processor	Built-in support for multiple cameras and excellent camera quality—with six-axis digital video stabilization, real-time face detection, HD image capture and de-ghosting and more—lets you capture images quickly so you'll never miss the best shot, even in challenging environments. ³
High Fidelity Video for Web and Playback	▪ Intel® Clear Video HD Technology ²	The latest visual quality and color fidelity enhancements deliver spectacular HD playback and immersive web browsing. Hardware acceleration for multiple HD video formats ensures smooth video playback.
Stream Video to Your TV	▪ Miracast-compliant Wireless Display	From the best seat in the house, easily stream HD movies, TV shows and photos in beautiful detail from your tablet to your big screen. Relax by yourself or invite the gang.
Wireless Wherever You Go	▪ Integrated Intel® Wireless Networking ⁶	Connect and stay connected with support for Wi-Fi,* 3G WWAN and 4G LTE* WWAN. Near Field Communications (NFC) lets you pay with a single tap.

³Some features must be enabled by the tablet manufacturer and may require additional software and/or hardware.

SPECIFICATIONS^a

Intel® Atom™ Processor Z3000 Series	4 cores/4 threads. Frequency up to 2.4 GHz.
Graphics	Intel® HD Graphics (667 MHz) with Intel® Clear Video HD Technology ²
Display	HDMI 1.4 ^a and multi-monitor support; including Wireless Display ^a
Camera Support	Integrated image signal processor supports multiple cameras with image stabilization, HDR, facial recognition, panorama capture, de-ghosting and more
Memory	Dual-channel 64-bit LPDDR3-1067 and single-channel 64-bit DDR3L-RS 1333, supporting memory capacity up to 4 GB and 2 GB, respectively. ^a
Manufacturing	3D/22 nm process technology
Package	Type 4 (HDI) BGA package: 17 mm x 17 mm x 1 mm
Communications	Wi-Fi,* 3G WWAN and 4G LTE* WWAN, ^a Near Field Communications (NFC)

^aNot all features indicated may be offered on all SKUs.

Visit your tablet retailer to find the right Intel Atom processor Z3000 Series-based Android tablet for you or your business, or go to www.intel.com/tablets.

¹ Claims for Intel® Atom™ Processor Z3770, up to 2.40GHz, 4T4C Silvermont (2MB L2 Cache) are based on an internal Intel® Reference design tablet which is not available for purchase: 8" screen with 1920x1200 resolution, Intel Gen 7 HD Graphics, pre-production graphics driver, 2GB (2x1GB) LPDDR3-1067, 64GB eMMC solid state storage, 22.2Whr battery, Android 4.3. Based on MobileXPRT and WebXPRT compared to Atom processor Z2560. Individual results will vary. Consult your system manufacturer for more details. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to <http://www.intel.com/performance>.

² Built-in visual features are not enabled on all tablets and optimized software may be required. Check with your system manufacturer. Learn more at <http://www.intel.com/go/biv>.

³ Claims for Intel® Atom™ Processor Z3770 (up to 2.40GHz, 4T4C Silvermont, 2MB L2 Cache) are based on an internal Intel® Reference design tablet which is not available for purchase: 8" screen with 1920x1200 resolution, Intel Gen 7 HD Graphics, pre-production graphics driver, 2GB (2x1GB) LPDDR3-1067, 64GB eMMC solid state storage, 22.2Whr battery, Android 4.3. Measured using 3DMark® Ice Storm—a 3D graphics benchmark that measures 3D gaming performance compared to Atom processor Z2560. Find out more at www.futuremark.com. Individual results will vary. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to <http://www.intel.com/performance>.

⁴ Requires a system with Intel® Burst Technology 2.0. Consult your tablet manufacturer. Performance varies depending on hardware, software, and system configuration.

⁵ Measurements based on actual OEM devices, which may vary. Contact your system manufacturer for more details.

⁶ Requires an Intel® Wireless Display enabled system, compatible adapter, and TV, 1080p and Blu-Ray* or other protected content playback only available on Intel® Atom™ processor-based tablets with built-in visuals enabled. Consult your tablet manufacturer. For more information, see <http://www.intel.com/go/widi>.

