

Intel® Atom™ Processor Z2760



Product Overview

You want a tablet that moves as fast as you do. The Intel® Atom™ Processor Z2760 is built to give you fast and responsive performance for all your experiences—in a beautifully sleek and lightweight tablet that you can use anywhere. Listen, watch, and play without worrying about battery life. Specifically targeted for the Windows® 8 tablet and tablet-convertible market, the Intel Atom Processor Z2760 allows you to run your familiar desktop applications and peripherals as well as the new Windows® 8 user interface, enabling you to enjoy speedy web browsing, super-responsive apps, and seamless downloads. For everything you want to do and all the things you have to do, a tablet with the Intel Atom Processor Z2760 is simply there for you.

The Intel® Atom™ Processor Z2760—You Think Fast. Your Tablet Should Too.

The Intel Atom Processor Z2760 allows for the thinnest, lightest tablets built on Intel® architecture—as thin as 8.5mm and as light as 1.5 pounds. Take your tablet with you everywhere and leave the charger at home, thanks to long battery life and over three weeks of

standby time. One-tap Near Field Communication (NFC) allows proximity pairing between the tablet and your other devices. Support for an advanced HD camera (up to 8 MP) lets you capture images quickly so you'll never miss the best shot, even in challenging environments. And with support for Wi-Fi*, 3G WWAN, and 4G LTE* WWAN, the Intel Atom Processor Z2760 is perfect for today's mobile consumer.

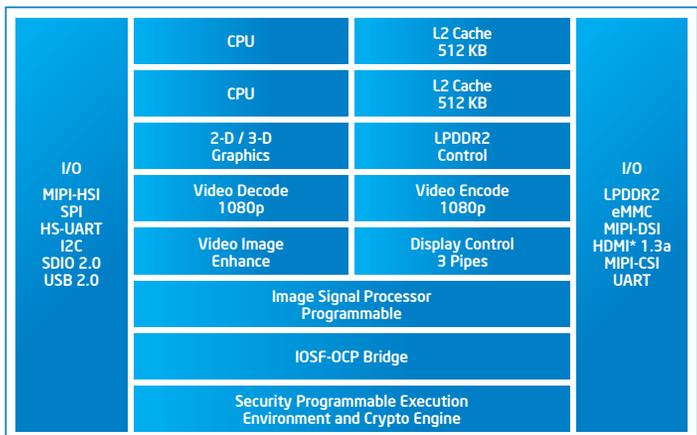
The Intel Atom Processor Z2760 also features advanced multitasking¹ that lets you effortlessly move between multiple apps on the go so you can keep up with your busy life and focus on what really matters to you. Enjoying the things you love has never been easier.

Platform Enhancements

- Designed for Windows® 8 and Windows® 8 Pro tablets and tablet convertibles, including both the new Windows 8* user interface and familiar Windows desktop modes. Also supports the full Microsoft* Office software suite.
- Features an integrated Image Signal Processor (ISP), with support for a primary camera (up to 8 MP) and secondary camera (up to 2.1 MP).
- Includes security features such as Secure Boot and firmware-based Intel® Platform Trust Technology.



The new Intel® Atom™ Processor Z2760 is built for your lifestyle, giving you enhanced mobility and an unparalleled user experience.



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For more information on the Intel® Atom™ Processor, visit
www.intel.com/products/processor/atom/index.htm

INTEL® ATOM™ PROCESSOR Z2760 FOR CONSUMER TABLETS

Processor Frequency	Up to 1.80 GHz
Number of Cores / Threads	2 / 4
Graphics	Intel® Graphics Media Accelerator up to 533 MHz
Integrated Memory Controller	Yes
Memory Support	Dual-channel LPDDR2 800 MT/s
Manufacturing Process	32nm
Chipset Package Size	14mm x 14mm

The Intel® Atom™ Processor Z2760 is a highly integrated, dual-core system-on-a-chip (SoC), delivering powerful graphics and video capabilities needed for tablets.

FEATURES AND BENEFITS OF THE INTEL® ATOM™ PROCESSOR Z2760 FOR CONSUMER TABLETS

FEATURES	BENEFITS
Intel® Atom™ Microarchitecture and 32nm Process Manufacturing Technology	A full x86 desktop, purpose-built processor for Windows* 8 that delivers on performance, form factor, and battery life, enabling new Windows* 8 user interface and the familiar Windows desktop mode, resulting in rich online experiences.
Compact Design	Allows for thin, light tablets on Intel® architecture and convertible form factors—as small as 8.5mm thin and 1.5 pounds.
Optimized Battery Life	Power management provides long battery life and over three weeks of standby time; standby resume time is less than a second.
Integrated Graphics	Includes Intel® Graphics Media Accelerator with up to 533 MHz graphics core frequency.
Video Capture, Playback, and Projection	Easily create and share superb HD-quality video with super-smooth playback quality, and hardware acceleration support for video encode and decode.
Support for an Advanced HD Camera (up to 8 MP)	The inclusion of a HD camera allows a user to capture images quickly, even in challenging environments.
Integrated Memory Controller with LPDDR2	The 32-bit dual-channel memory controller offers fast memory read/write performance through efficient pre-fetching algorithms, low latency and high memory bandwidth. Includes support for LPDDR2 800 MT/s data rates, up to 2 GB.
Support for Windows* 8 Pro	A combination of mobility and experience features, security and manageability features, and the new Windows 8* user interface and familiar Windows desktop modes.
Intel® Burst Technology	Enables the processor to dynamically burst to higher performance, making it possible to provide on-demand, higher performance in small device form factors.
Intel® Hyper-Threading Technology ¹	Provides performance and support for multi-threaded applications, helping to deliver increased performance and system responsiveness in today's multitasking environments by enabling the processor to execute two instruction threads in parallel.
Support for Wi-Fi*, 3G WWAN, and 4G LTE* WWAN	Choice and flexibility for online access.
Intel® Platform Trust Technology	Credential storage and key management solution to meet Windows* 8 CSB requirements, optimized for low power consumption in SOix environment.
Secure Boot	Hardware-assisted secure boot, along with ELAM (Early Launch Anti-Malware) drivers, enable a boot in a known trusted environment.
Hardware-Enhanced Encryption (AES)	Full disk encryption can use hardware-enhanced AES algorithms to protect data.

¹ Available on select Intel® Atom™ and Intel® Core™ Processors. Requires an Intel® HT Technology-enabled system. Consult your PC manufacturer. Performance will vary depending on the specific hardware and software used.

For more information including details on which processors support HT Technology, visit <http://www.intel.com/info/hyperthreading>

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