



# Intel® Atom™ Processor Z2760



## Product Overview

The Intel® Atom™ Processor Z2760 tablet with Windows\* 8 Pro delivers the mobility and experience that business users desire and the security and manageability that IT demands. The new Intel Atom Processor Z2760 is built to seamlessly integrate into your business computing environment. Targeted for the Windows\* 8 tablet and tablet-convertible market, the Intel Atom Processor Z2760 delivers the on-the-go compatibility with long battery life—in thin and light form factors that mobile business users need. With hardware-enhanced security and business-grade manageability with Windows 8 Pro, the Intel Atom Processor Z2760 powers lightweight tablets that won't quit.

## Compatibility You Can Carry— Tablets Powered by Intel

The new Windows 8 Pro tablet with an Intel Atom Processor Z2760 inside is compatible with your existing IT management infrastructure, providing the ability to join a domain and access shared network resources (such as Microsoft\* SharePoint\* and the ability to print on corporate printers), run new Windows 8 applications and existing familiar x86 desktop applications side by side, and allow the use of existing devices, peripherals (such as printers and cameras), and drivers. Everything will just work.

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. With long battery life and over three weeks of standby time, resume time from standby in less than a second, and with support for Wi-Fi\*, 3G WWAN, and 4G LTE\* WWAN, the Intel Atom Processor Z2760 is perfect for today's mobile business user.

Capitalize on the productivity benefits of tablets with the Intel Atom Processor Z2760, which features advanced multitasking<sup>1</sup> that lets you effortlessly move between multiple apps on the go. Intel® Burst Technology enables the processor to burst to higher performance, making it possible to provide on-demand, higher performance in smaller form factors.

## Platform Enhancements

- Includes the security features businesses need, such as Secure Boot which defends against malware, Intel® Platform Trust Technology, which is a virtual smartcard reader for certificate-based user authentication, and hardware-enhanced encryption (AES) and OS key storage, which protect and secure data.
- 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, including Outlook\*.
- 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).



The new Intel® Atom™ Processor Z2760 delivers on-the-go performance, a small form factor, and the battery life you need.

I/O MIPI-HSI SPI HS-UART I2C SDIO 2.0 USB 2.0	CPU	L2 Cache 512 KB	I/O LPDDR2 eMMC MIPI-DSI HDMI* 1.3a MIPI-CSI UART
	CPU	L2 Cache 512 KB	
	2-D / 3-D Graphics	LPDDR2 Control	
	Video Decode 1080p	Video Encode 1080p	
	Video Image Enhance	Display Control 3 Pipes	
	Image Signal Processor Programmable		
	IOSF-OCF Bridge		
	Security Programmable Execution Environment and Crypto Engine		

## Intel® Atom™ Processor Z2760

For more information on the Intel® Atom™ Processor, visit  
[www.intel.com/products/processor/atom/index.htm](http://www.intel.com/products/processor/atom/index.htm)

### INTEL® ATOM™ PROCESSOR Z2760 FOR BUSINESS 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 BUSINESS 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 <sup>1</sup>	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.

<sup>1</sup> 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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