













Intel Atom® Processor Z510P

512K Cache, 1.10 GHz, 400 MHz FSB

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Specifications

Essentials

Performance

Supplemental Information

Package

Specifications

Advanced

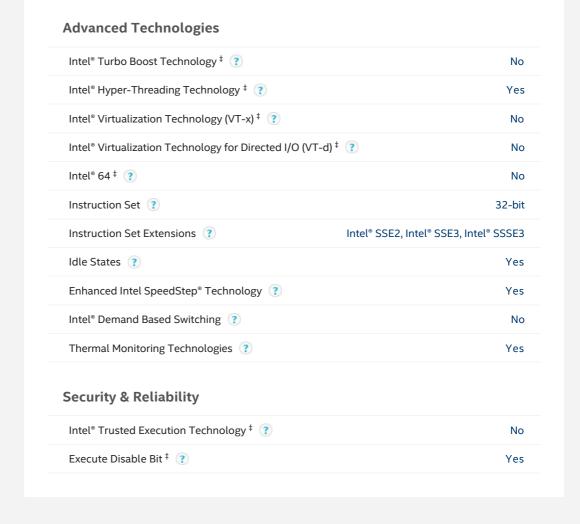
Technologies

Security & Reliability

Ordering and Compliance

Compatible products

Essentials	Export specificat
Product Collection	Legacy Intel Atom® Processor
Code Name	Products formerly Silverthorn
Vertical Segment	Mobil
Processor Number	Z510
Status	Discontinue
Launch Date 🔞	Q2'0
Lithography ?	45 nr
Use Conditions 🕡	Communication
Performance	
# of Cores ?	
Processor Base Frequency ?	1.10 GH
Cache ?	512 KB L
Bus Speed ?	400 MHz FS
FSB Parity ?	N
TDP ?	2.2 V
VID Voltage Range ?	0.8V-1.1
Supplemental Information	
Embedded Options Available 🕐	Ye
Datasheet	View nov
Package Specifications	
Sockets Supported ?	FCBGA43
TJUNCTION ?	90%
Package Size	22mm x 22mr
Processing Die Size	26 mm
9	



More support options for Intel Atom® Processor Z510P (512K Cache, 1.10 GHz, 400 MHz FSB)





Downloads and Software



Support Community



Warranty and Replacement



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or $reference\ the\ system\ specifications\ (mother board,\ processor,\ chipset,\ power\ supply,\ HDD,\ graphics\ controller,\ memory,\ BIOS,\ drivers,\ virtual\ machine$ monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

Downloaded from Arrow.com. TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

See http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html? wapkw=hyper+threading for more information including details on which processors support Intel® HT Technology.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/content/www/us/en/processors/processor-numbers.html for details.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.



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