















Embedded Options Available 	Yes
Datasheet	View now



Package Specifications

Sockets Supported 	FCBGA437
T _{JUNCTION} 	90°C
Package Size	22mm x 22mm
Processing Die Size	26 mm ²
# of Processing Die Transistors	47 million

Advanced Technologies

Intel® Turbo Boost Technology ‡ 	No
Intel® Hyper-Threading Technology ‡ 	Yes
Intel® Virtualization Technology (VT-x) ‡ 	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡ 	No
Intel® 64 ‡ 	No
Instruction Set 	32-bit
Instruction Set Extensions 	Intel® SSE2, Intel® SSE3, Intel® SSSE3
Idle States 	Yes
Enhanced Intel SpeedStep® Technology 	Yes
Intel® Demand Based Switching 	No
Thermal Monitoring Technologies 	Yes

Security & Reliability

Intel® Trusted Execution Technology ‡ 	No
Execute Disable Bit ‡ 	Yes

More support options for Intel Atom® Processor Z530P (512K Cache, 1.60 GHz, 533 MHz FSB)



Product Support



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 (motherboard, 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.

System and Maximum 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.

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.

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

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.

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.

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