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Intel Atom® Processor C3808

12M Cache, up to 2.0 GHz

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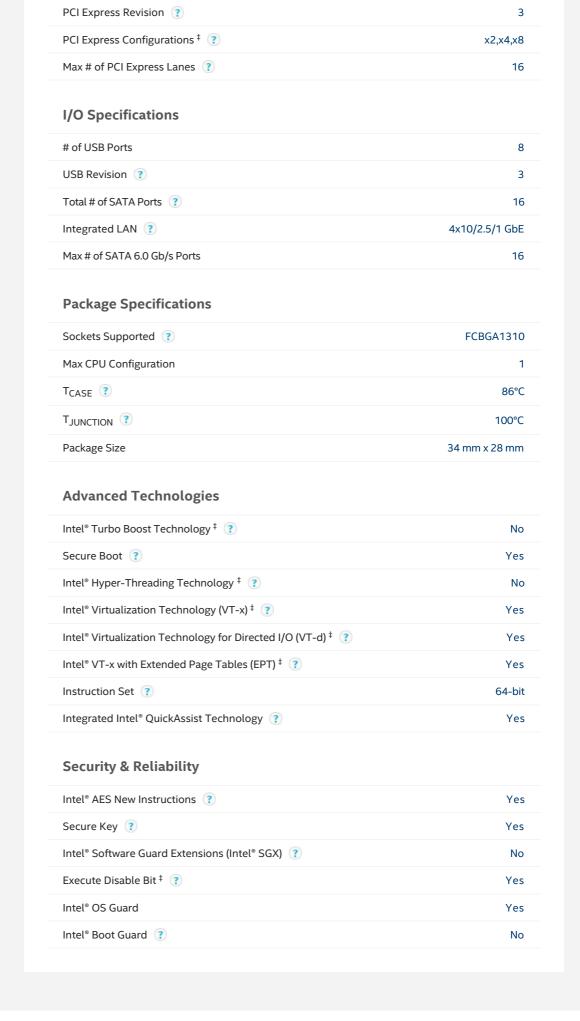
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Essentials	Export specification
Product Collection	Intel® Atom™ Processor C Series
Code Name	Products formerly Denverton
Vertical Segment	Server
Processor Number	C3808
Status	Launched
Launch Date ?	Q3'17
Lithography 💽	14 nm
Recommended Customer Price ?	
Use Conditions ?	Communications
Performance	
# of Cores ?	12
# of Threads ?	12
Processor Base Frequency ?	2.00 GHz
Max Turbo Frequency ?	2.00 GHz
Cache ?	12 MB
# of QPI Links ?	0
# of UPI Links ③	0
TDP ?	25 W
Supplemental Information	
Embedded Options Available ?	Yes
Datasheet	View now
Product Brief	View now
Memory Specifications	
Max Memory Size (dependent on memory type) ?	256 GB
Memory Types ?	DDR4: 2133
Max # of Memory Channels ?	2
ECC Memory Supported ‡ ?	Yes



More support options for Intel Atom® Processor C3808 (12M Cache, up to 2.0 GHz)











Need more help?

Contact support



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

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

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

‡ 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.

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.

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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System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

For benchmarking data see http://www.intel.com/performance.

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.

 $Processors\ that\ support\ 64-bit\ computing\ on\ Intel^{\$}\ architecture\ require\ an\ Intel\ 64\ architecture-enabled\ BIOS.$



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