

Intel® Core™ i3-2120T Processor  
(3M Cache, 2.60 GHz)

Specifications

Essentials

Performance

Memory Specifications

Graphics Specifications

Expansion Options

Package Specifications

Advanced Technologies

Intel® Data Protection Technology

Intel® Platform Protection Technology

Compatible Products

Product Images

Ordering / sSpecs / Steppings

Specifications

Essentials

Status	End of Life
Launch Date	Q3'11
Expected Discontinuance	Q3'2013
Processor Number	i3-2120T
Intel® Smart Cache	3 MB
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX
Embedded Options Available	No
Lithography	32 nm
Recommended Customer Price	BOX : \$121.00
Datasheet	<a href="#">Link</a>

Performance

# of Cores	2
# of Threads	4
Processor Base Frequency	2.6 GHz
TDP	35 W

Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3 1066/1333
Max # of Memory Channels	2
Max Memory Bandwidth	21 GB/s

Graphics Specifications

Processor Graphics ‡	Intel® HD Graphics 2000
Graphics Base Frequency	650 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Insider™	Yes
Intel® Wireless Display	No
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes
# of Displays Supported ‡	2

Expansion Options

PCI Express Revision	2.0
Max # of PCI Express Lanes	16

Package Specifications

Max CPU Configuration	1
Tcase	65.0°C
Package Size	37.5mm x 37.5mm
Sockets Supported	FCLGA1155
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology ‡	No
Intel® vPro Technology ‡	No
Intel® Hyper-Threading Technology ‡	Yes
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	No
Intel® VT-x with Extended Page Tables (EPT) ‡	Yes
Intel® 64 ‡	Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Thermal Monitoring Technologies	Yes
Intel® Fast Memory Access	Yes
Intel® Flex Memory Access	Yes
Intel® Identity Protection Technology ‡	Yes

Intel® Data Protection Technology

AES New Instructions	No
----------------------	----

Intel® Platform Protection Technology

Trusted Execution Technology ‡	No
Execute Disable Bit ‡	Yes

Compare

Related Products

2nd Generation Intel® Core™ i3 Processors

Intel® Core™ i3-2100 Desktop Processor Series

Products formerly Sandy Bridge

Quick Links

Export Full Specifications >

Find Compatible Boards >

Search Distributors >

Software Downloads >

Support Overview >

Search all of intel.com >

PCN/MDDS Information

SR060

910593: PCN | MDDS

917721: PCN | MDDS

917963: PCN | MDDS

All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability, functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

"Intel classifications" consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use made of Intel classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company may be the exporter of record, and as such, your company is responsible for determining the correct classification of any item at the time of export.

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.

"Conflict free" and "conflict-free" means "DRC conflict free", which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term "conflict-free" in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict in the DRC or adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

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/](http://www.intel.com/technology/turboboost/) for more information.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

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

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRAs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet J5-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

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.us/en/processors/processor-numbers.html](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.

About

Company Information

Investor Relations

Contact Us

Newsroom

Site Map

Jobs

Support

Support Home

Download Center

Product Specifications (ARK)

Legal

Terms of Use

\*Trademarks

Privacy

Cookies

Social

Intel Communities


Intel on Twitter

Intel on Facebook

Intel on LinkedIn

Intel on Instagram

Intel on YouTube

 © Intel Corporation