300 MHz



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Intel[®] Core[™] i7-5775R Processor

raphics Base Frequency ?

6M Cache, up to 3.80 GHz

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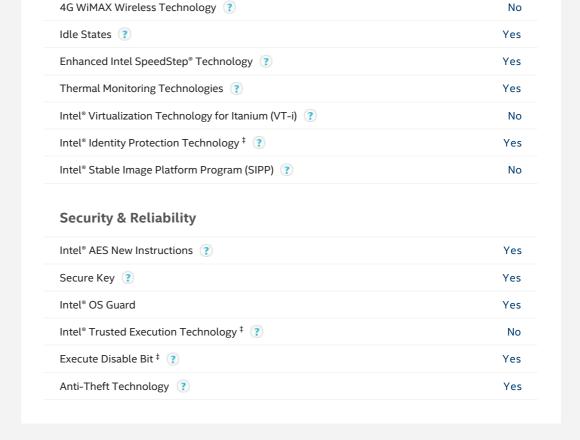
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Essentials	Export specification
Product Collection	5th Generation Intel® Core™ i7 Processors
Code Name	Products formerly Broadwell
Vertical Segment	Desktop
Processor Number	i7-5775R
Status	Discontinued
Launch Date 🔞	Q2'15
Lithography ?	14 nm
Recommended Customer Price ?	N/A
Performance	
# of Cores ?	4
# of Threads ?	8
Processor Base Frequency ?	3.30 GHz
Max Turbo Frequency ?	3.80 GHz
Cache ?	6 MB
Bus Speed ?	5 GT/s DMI2
TDP ?	65 W
Supplemental Information	
Embedded Options Available ?	No
Datasheet	View now
Memory Specifications	
Max Memory Size (dependent on memory type) ?	32 GB
Memory Types ?	DDR3L-1333/1600/1866 @ 1.5V
Max # of Memory Channels ?	2
Max Memory Bandwidth ?	29.86 GB/s
ECC Memory Supported ‡ ?	No
Processor Graphics	
Processor Graphics ‡ ?	Intel® Iris™ Pro Graphics 6200

Graphics Max Dynamic Frequency 🕐	1.15 GHz
Graphics Video Max Memory 💿	32 GB
eDRAM 💽	128 MB
Graphics Output 💿	eDP/DP/HDMI/DVI/VGA
Max Resolution (HDMI 1.4)‡ 🕐	4096x2304@24Hz
Max Resolution (DP)‡ 🔞	3840x2160@60Hz
Max Resolution (eDP - Integrated Flat Panel)‡ 🕡	3840x2160@60Hz
Max Resolution (VGA)‡ 🕜	1920x1200@60Hz
DirectX* Support 😨	11.2
OpenGL* Support ?	4.3
Intel® Quick Sync Video 🔞	Yes
Intel® InTru™ 3D Technology 🕡	Yes
Intel® Flexible Display Interface (Intel® FDI) 🕐	Yes
Intel® Clear Video HD Technology 🕐	Yes
Intel® Clear Video Technology 💽	Yes
# of Displays Supported [‡]	3
Device ID	0x1622
Expansion Options	
Scalability	1S Only
PCI Express Revision ?	3.0
PCI Express Configurations ‡ ?	Up to 1x16, 2x8, 1x8+2x4
Max # of PCI Express Lanes ?	16
Package Specifications	
Sockets Supported ?	FCBGA1364
Max CPU Configuration	1
Thermal Solution Specification ?	PCA 2013D
Package Size	37.5mm x 37.5mm
Advanced Technologies	
Intel® Turbo Boost Technology ‡ 🕜	2.0
Intel® vPro™ Platform Eligibility ‡	No
Intel® Hyper-Threading Technology ‡ 🕡	Yes
Intel® Virtualization Technology (VT-x) ‡ 🕐	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	† ? Yes
Intel® VT-x with Extended Page Tables (EPT) ‡ 🕐	Yes
Intel® TSX-NI 😯	Yes
Intel® 64 ‡ 😯	Yes
Instruction Set ?	64-bit
Instruction Set Extensions ?	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2



More support options for Intel® Core™ i7-5775R Processor (6M Cache, up to 3.80 GHz)









Support Community



Warranty and Replacement



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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.

Downloaded from Arrow.com. , s pricing guidance for Intel products. Prices are for direct Intel customers, typically represent 1,000-unit

purchase quantities, 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. If sold in bulk, price represents individual unit. 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.

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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