



Intel® Core™ i5-5350U Processor

3M Cache, up to 2.90 GHz

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Specifications

Essentials

- Performance
- Supplemental Information
- Memory Specifications
- Processor Graphics
- Expansion Options
- Package Specifications
- Advanced Technologies
- Security & Reliability

Ordering and Compliance

Product Images

Downloads and Software

Essentials

Export specifications

Product Collection	5th Generation Intel® Core™ i5 Processors
Code Name	Products formerly Broadwell
Vertical Segment	Mobile
Processor Number	i5-5350U
Status	Launched
Launch Date	Q1'15
Lithography	14 nm
Recommended Customer Price	
Use Conditions	Industrial Commercial Temp, Embedded Broad Market Commercial Temp, PC/Client/Tablet

Performance

# of Cores	2
# of Threads	4
Processor Base Frequency	1.80 GHz
Max Turbo Frequency	2.90 GHz
Cache	3 MB
Bus Speed	5 GT/s DMI2
TDP	15 W
Configurable TDP-down Frequency	600 MHz
Configurable TDP-down	9.5 W

Supplemental Information

Embedded Options Available	Yes
Datasheet	View now

Memory Specifications

Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR3L 1333/1600, LPDDR3 1600/1866
Max # of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s

Processor Graphics

Processor Graphics † ?	Intel® HD Graphics 6000
Graphics Base Frequency ?	300 MHz
Graphics Max Dynamic Frequency ?	1.00 GHz
Graphics Video Max Memory ?	16 GB
Graphics Output ?	eDP/DP/HDMI
Max Resolution (HDMI 1.4)‡ ?	2560X1600@60Hz
Max Resolution (DP)‡ ?	3840x2160@60Hz
DirectX* Support ?	11.2/12
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	0x1626

Expansion Options

PCI Express Revision ?	2.0
PCI Express Configurations † ?	4x1, 2x4
Max # of PCI Express Lanes ?	12

Package Specifications

Sockets Supported ?	FCBGA1168
Max CPU Configuration	1
T _{JUNCTION} ?	105°C
Package Size	40mm x24mm x 1.3mm

Advanced Technologies

Intel® Turbo Boost Technology † ?	2.0
Intel® vPro™ Platform Eligibility † ?	Yes
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
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® Stable Image Platform Program (SIPP) ?	Yes
Intel® Smart Response Technology ?	Yes

Security & Reliability

Intel® AES New Instructions ?	Yes
Secure Key ?	Yes
Intel® Trusted Execution Technology ‡ ?	Yes
Execute Disable Bit ‡ ?	Yes
Intel® OS Guard	Yes

More support options for Intel® Core™ i5-5350U Processor (3M Cache, up to 2.90 GHz)



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.

"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.

The Recommended Customer Price ("RCP") is 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

arrangements may apply. If sold in bulk, price represents individual unit. Listing of these RCP does not

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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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