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Support Home > Product Specifications > Processors

Search specifications





# Intel® Celeron® Processor 3765U

**Processor Graphics** 

2M Cache, 1.90 GHz

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## Specifications

### Essentials

Performance

Supplemental Information

**Memory Specifications** 

**Processor Graphics** 

**Expansion Options** 

Package Specifications

Advanced Technologies

Security & Reliability

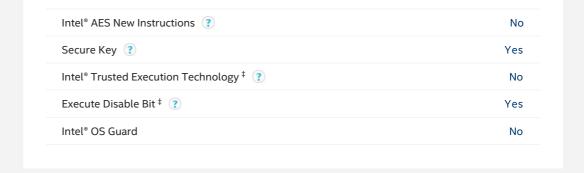
## Ordering and Compliance

#### **Product Images**

Downloads and Software

Essentials	Export specification
Product Collection	Intel® Celeron® Processor 3000 Series
Code Name	Products formerly Broadwell
Vertical Segment	Mobile
Processor Number	3765U
Status	Launched
Launch Date ?	Q2'15
Lithography ?	14 nm
Recommended Customer Price ?	
Use Industrial Commercial Temp, E Conditions ?	Embedded Broad Market Commercial Temp, PC/Client/Tablet
Performance	
# of Cores ?	2
# of Threads ?	2
Processor Base Frequency ?	1.90 GHz
Cache ?	2 MB
Bus Speed 😯	5 GT/s DMI2
TDP ?	15 W
Configurable TDP-down Frequency 🔞	600 MHz
Configurable TDP-down ?	10 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 1333/1600
Max # of Memory Channels ?	2
Max Memory Bandwidth ?	25.6 GB/s

Graphics Base Frequency ?	300 N
Graphics Max Dynamic Frequency ?	850 N
Graphics Output ?	eDP/DP/HI
DirectX* Support ?	11.2
Intel® Quick Sync Video ?	
Intel® InTru™ 3D Technology ?	
Intel® Flexible Display Interface (Intel® F	DI) ?
Intel® Clear Video HD Technology ?	
Intel® Clear Video Technology ?	,
# of Displays Supported ‡	
Expansion Options	
PCI Express Revision ?	
PCI Express Configurations ‡ ?	4x1
Max # of PCI Express Lanes ?	
Declare Constitution	
Package Specifications	
Sockets Supported ?	FCBGA1
Max CPU Configuration	
T <sub>JUNCTION</sub> ?	10
Package Size	40mm x 24mm x 1.31
Advanced Technologies	
Intel® Turbo Boost Technology ‡ 👔	
Intel® vPro™ Platform Eligibility ‡ 👔	
Intel® Hyper-Threading Technology ‡ ?	
Intel® Virtualization Technology (VT-x) ‡	•
Intel® Virtualization Technology for Direc	eted I/O (VT-d) ‡ 🕐
Intel® VT-x with Extended Page Tables (E	PT) <sup>‡</sup> ?
Intel® TSX-NI ?	
Intel® 64 ‡ ?	
Instruction Set ?	64
Instruction Set Extensions ?	Intel® SSE4.1, Intel® SSE
Enhanced Intel SpeedStep® Technology	<b>?</b>
Emanced inter speedstep Technology	
Thermal Monitoring Technologies ?	,
	•
Thermal Monitoring Technologies ?	



### More support options for Intel® Celeron® Processor 3765U (2M Cache, 1.90 GHz)





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 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 <a href="http://www.intel.com/content/www/us/en/processors/processor-numbers.html">http://www.intel.com/content/www/us/en/processors/processor-numbers.html</a> for details.

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



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