



# Intel® Celeron® Processor 3765U

2M Cache, 1.90 GHz

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## Specifications

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## Essentials

Export specifications

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 Conditions ?	Industrial Commercial Temp, 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	<a href="#">View now</a>

## 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

## Processor Graphics

Graphics Base Frequency ?	300 MHz
Graphics Max Dynamic Frequency ?	850 MHz
Graphics Output ?	eDP/DP/HDMI
DirectX* Support ?	11.2/12
Intel® Quick Sync Video ?	Yes
Intel® InTru™ 3D Technology ?	Yes
Intel® Flexible Display Interface (Intel® FDI) ?	Yes
Intel® Clear Video HD Technology ?	No
Intel® Clear Video Technology ?	Yes
# of Displays Supported †	3

## 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 <sub>JUNCTION</sub> ?	105°C
Package Size	40mm x 24mm x 1.3mm

## Advanced Technologies

Intel® Turbo Boost Technology † ?	No
Intel® vPro™ Platform Eligibility † ?	No
Intel® Hyper-Threading Technology † ?	No
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 ?	No
Intel® 64 † ?	Yes
Instruction Set ?	64-bit
Instruction Set Extensions ?	Intel® SSE4.1, Intel® SSE4.2
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® Smart Response Technology ?	No

## Security & Reliability

Intel® AES New Instructions 	No
Secure Key 	Yes
Intel® Trusted Execution Technology ‡ 	No
Execute Disable Bit ‡ 	Yes
Intel® OS Guard	No

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



Product Support



Downloads and Software



Support Community



Warranty and Replacement



### Need more help?

Contact support



Give Feedback

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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/](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, 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.

