











# Intel® Celeron® J4105 Processor

4M Cache, up to 2.50 GHz

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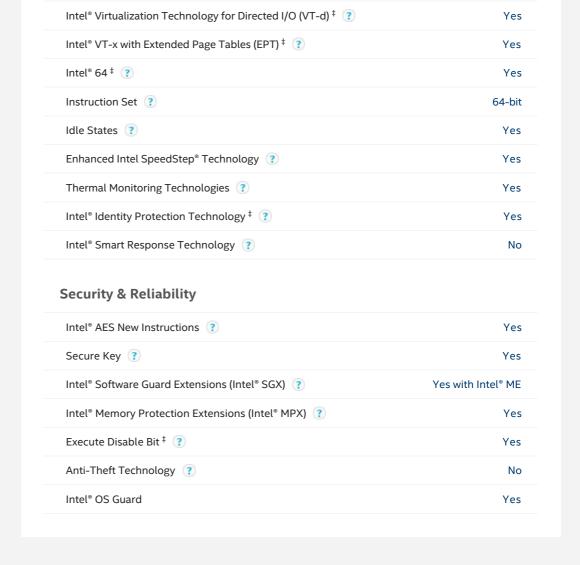
Security & Reliability

### Ordering and Compliance

Downloads and Software

Essentials	Export specification
Product Collection	Intel® Celeron® Processor J Series
Code Name	Products formerly Gemini Lake
Vertical Segment	Desktop
Processor Number	J4105
Status	Launched
Launch Date ?	Q4'17
Lithography ?	14 nm
Performance	
# of Cores ?	4
# of Threads ?	4
Processor Base Frequency ?	1.50 GHz
Burst Frequency ?	2.50 GHz
Cache ?	4 MB
TDP ?	10 W
Supplemental Information	
Embedded Options Available 🕐	No
Product Brief	View now
Memory Specifications	
Max Memory Size (dependent on memory type) 🔞	8 GB
Memory Types 🕐	DDR4/LPDDR4 upto 2400 MT/s
Max # of Memory Channels 🔞	2
ECC Memory Supported ‡ 🔞	No
Processor Graphics	
Processor Graphics ‡ ?	Intel® UHD Graphics 600
Graphics Base Frequency 🔞	250 MHz

Graphics Max Dynamic Frequency ?	750
Graphics Video Max Memory 🔞	
Graphics Output ?	eDP/DP/HDMI/MIF
Execution Units ?	
4K Support ?	Yes, at
DirectX* Support ?	
OpenGL* Support ?	
# of Displays Supported <sup>‡</sup>	
Device ID	0:
Expansion Options	
PCI Express Revision ?	
PCI Express Configurations ‡ ?	1x4 + 1x2 or 4x1 or 2x1+1x2
Max # of PCI Express Lanes ?	
/O Specifications	
# of USB Ports	
USB Revision ?	
Total # of SATA Ports ?	
Integrated LAN ?	
Integrated Wireless‡	Intel® Wireless-A
General Purpose IO	
UART	
Max # of SATA 6.0 Gb/s Ports	
Package Specifications	
Sockets Supported ?	FCBG
Max CPU Configuration	
TJUNCTION ?	
Package Size	25mm x
Low Halogen Options Available	
Advanced Technologies	
Intel® Optane™ Memory Supported ‡ 👔	
Intel® Speed Shift Technology ?	
Intel® Turbo Boost Max Technology 3.0 ‡ 🔞	
Intel® Turbo Boost Technology ‡ 👔	
Intel® Turbo Boost Technology ‡ ?  Intel® vPro™ Platform Eligibility ‡ ?	



More support options for Intel® Celeron® J4105 Processor (4M Cache, up to 2.50 GHz)





Downloads and Software



**Support Community** 



Warranty and Replacement



## Need more help?

Contact support



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Refer to Datasheet for formal definitions of product properties and features.

reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine Arrow.com. ‡ 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 erating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

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

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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.

 $\label{thm:complex} \begin{tabular}{ll} Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See <a href="https://www.intel.com/technology/turboboost/">www.intel.com/technology/turboboost/</a> for more information.$ 

Check http://ipt.intel.com/ for systems that support Intel® Identity Protection Technology (Intel® IPT).

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2675QM/i5-2435M, i5-2430M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

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

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.

Intel® Smart Response Technology requires a select Intel® Core™ processor, an enabled chipset, Intel® Rapid Storage Technology software, and a properly configured hybrid drive (HDD + small SSD). Depending on system configuration, your results may vary. Contact your system manufacturer for more information.



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