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SPECIFICATIONS

Essential

- Memory Specifications
- Graphics Specifications
- Expansion Options
- Package Specifications
- Advanced Technologies

ORDERING / SSPECS / STEPPINGS

Status	Launched
Launch Date	Q4'13
Processor Number	J1900
# of Cores	4
# of Threads	4
Clock Speed	2 GHz
Max Turbo Frequency	2.42 GHz
Cache	2 MB
Embedded Options Available	 Yes
Max TDP	10 W
Recommended Customer Price	TRAY: \$82.00

Memory Specifications	
Max Memory Size (dependent on memory type)	8 GB
Memory Types	DDR3L-1333
# of Memory Channels	2
Physical Address Extensions	36-bit
ECC Memory Supported ‡	 No

Graphics Specifications	
Processor Graphics †	Intel® HD Graphics
Graphics Base Frequency	688 MHz
Graphics Max Dynamic Frequency	854 MHz
Intel® InTru™ 3D Technology	No
Intel® Insider™	No
Intel® Flexible Display Interface (Intel® FDI)	No
# of Displays Supported †	2

Expansion Options	
Max # of PCI Express Lanes	4

Package Specifications	
T _{JUNCTION}	105°C
Package Size	25mm X 27mm
Sockets Supported	FCBGA1170
Low Halogen Options Available	See MDDS

Advanced Technologies	
Intel® Virtualization Technology (VT-x) ‡	 Yes
Intel® 64 ‡	 Yes

Add to Compare

- RELATED PRODUCTS
- Intel® Celeron® Processor
 - Intel® Celeron® Processor J1000 Series for Desktop
 - Products formerly Bay Trail



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PCNMDDS Information

SR1SC
932481: PCN | MDDS

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"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.

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

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

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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