



Intel® Celeron® Processor 927UE

1M Cache, 1.50 GHz

☐ Add to Compare

Specifications

Essentials

Performance

Supplemental Information

Memory Specifications

Processor Graphics

Expansion Options

Package Specifications

Advanced Technologies

Security & Reliability

Ordering and Compliance

Downloads and Software

Essentials

⬇ Export specifications

Product Collection	Legacy Intel® Celeron® Processor
Code Name	Products formerly Ivy Bridge
Vertical Segment	Embedded
Processor Number	927UE
Status	Launched
Launch Date	Q1'13
Lithography	22 nm
Recommended Customer Price	

Performance

# of Cores	1
# of Threads	1
Processor Base Frequency	1.50 GHz
Cache	1 MB SmartCache
Bus Speed	5 GT/s DMI
TDP	17 W

Supplemental Information





Embedded Options Available	Yes
Datasheet	View now

Memory Specifications




Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR3/DDR3L 1333/1600
Max # of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported [‡]	Yes

Processor Graphics



Processor Graphics [‡]	Intel® HD Graphics for 3rd Generation Intel® Processors
Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	900 MHz

Graphics Output 	eDP/DP/HDMI/SDVO/CRT
Intel® Quick Sync Video 	No
Intel® InTru™ 3D Technology 	No
Intel® Clear Video HD Technology 	No
# of Displays Supported [‡]	2













Expansion Options

PCI Express Revision 	2.0
PCI Express Configurations [‡] 	1x16, 2x8, 1x8 & 2x4
Max # of PCI Express Lanes 	1



Package Specifications

Sockets Supported 	FCBGA1023
Max CPU Configuration	1
T _{JUNCTION} 	105
Package Size	BGA1023 31mm x 24mm
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology [‡] 	No
Intel® vPro™ Technology [‡] 	No
Intel® Hyper-Threading Technology [‡] 	No
Intel® Virtualization Technology (VT-x) [‡] 	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) [‡] 	No
Intel® 64 [‡] 	Yes
Intel® My WiFi Technology 	No
Enhanced Intel SpeedStep® Technology 	Yes
Intel® Demand Based Switching 	No
Thermal Monitoring Technologies 	Yes
Intel® Fast Memory Access 	Yes
Intel® Flex Memory Access 	Yes

Security & Reliability

Intel® AES New Instructions 	No
Intel® Trusted Execution Technology [‡] 	No
Anti-Theft Technology 	No

More support options for Intel® Celeron® Processor 927UE (1M Cache, 1.50 GHz)



Need more help?

[Contact support](#)



[Give Feedback](#)

All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability, functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

Intel classifications are for informational purposes only and consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use made of Intel classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company as an importer and/or exporter is responsible for determining the correct classification of your transaction.

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.

"Conflict free" and "conflict-free" means "DRC conflict free", which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term "conflict-free" in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict in the DRC or adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

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.

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.



[Company Information](#) [Our Commitment](#) [Communities](#) [Investor Relations](#) [Contact Us](#)

[Newsroom](#) [Jobs](#)



