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Intel® Celeron® Processor 1047UE (2M Cache, 1.40 GHz)

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ORDERING / SSPECS / STEPPINGS

SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q1'13
Processor Number	1047UE
# of Cores	2
# of Threads	2
Clock Speed	1.4 GHz
Intel® Smart Cache	2 MB
DMI	5 GT/s
Instruction Set	64-bit
Embedded Options Available	 Yes
Lithography	22 nm
Max TDP	17 W

Memory Specifications

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

QUICK LINKS

- Products formerly Ivy Bridge
- Download Datasheet
- Search Distributors

PCN/MDDDS Information

SR10E
924835: MDDDS

Newsroom Chip Shot: Calling for Submissions! Intel Science Talent Search 2014  USA (English) ▾

Processor Graphics	Intel® HD Graphics
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® Insider™	No
Intel® Wireless Display	 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	
Max CPU Configuration	1
T _{JUNCTION}	105C
Package Size	BGA1023 31mm x 24mm
Graphics and IMC Lithography	22 nm
Sockets Supported	FCBGA1023
Low Halogen Options Available	See MDDs
Advanced Technologies	
Intel® vPro Technology ‡	<input type="checkbox"/> No
Intel® Hyper-Threading Technology ‡	<input type="checkbox"/> No
Intel® Virtualization Technology (VT-x) ‡	<input type="checkbox"/> Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	<input type="checkbox"/> No
Intel® Trusted Execution Technology ‡	<input type="checkbox"/> No
AES New Instructions	<input type="checkbox"/> No
Intel® 64 ‡	<input type="checkbox"/> Yes
Intel® Anti-Theft Technology	No
Intel® My WiFi Technology	No
Enhanced Intel SpeedStep® Technology	<input type="checkbox"/> Yes
Thermal Monitoring Technologies	<input type="checkbox"/> Yes
Intel® Fast Memory Access	<input type="checkbox"/> Yes
Intel® Flex Memory Access	<input type="checkbox"/> Yes

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

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.

For benchmarking data see <http://www.intel.com/performance>.

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

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers 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. 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.

‡ 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.

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.

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.

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.

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