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Intel® Celeron® Processor G3900TE

2M Cache, 2.30 GHz

Specifications

Essentials

Performance

Supplemental Information

Memory Specifications

Processor Graphics

Expansion Options

Package Specifications

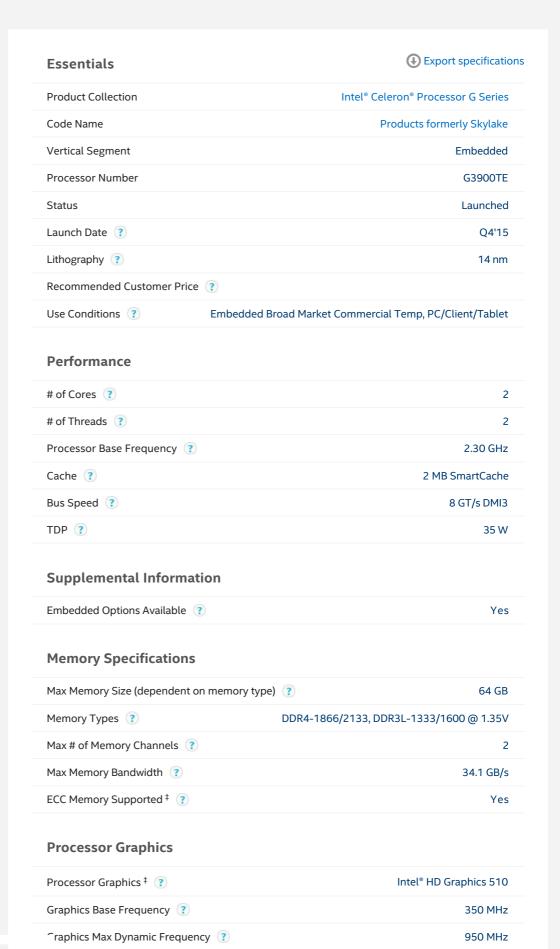
Advanced Technologies

Security & Reliability

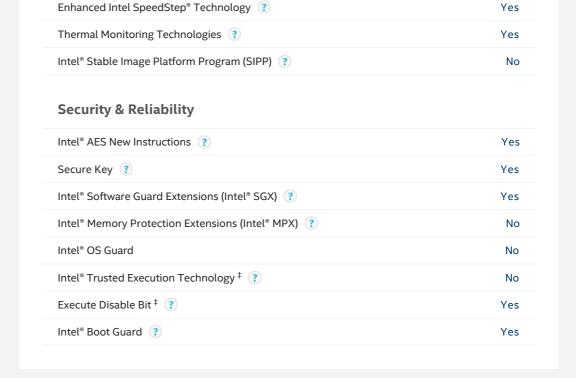
Ordering and Compliance

Product Images

Downloads and Software



Graphics Video Max Memory 🕐	64 G
Graphics Output ?	eDP/DP/HDMI/D\
4K Support 😨	Yes, at 60H
Max Resolution (HDMI 1.4)‡ 🕜	4096x2304@24H
Max Resolution (DP)‡ 👔	4096x2304@60H
Max Resolution (eDP - Integrated Flat Panel)‡ 👔	4096x2304@60H
Max Resolution (VGA)‡ 👔	N/.
DirectX* Support ?	1
OpenGL* Support ?	4.
Intel® Quick Sync Video 🕐	Ye
Intel® InTru™ 3D Technology 🕐	Ye
Intel® Clear Video HD Technology 🕐	Ye
Intel® Clear Video Technology 👔	Ye
# of Displays Supported ‡	
Device ID	0x190
Expansion Options	
Scalability	1S Onl
PCI Express Revision ?	3
T CT EXPTCSS NEVISION	3
PCI Express Configurations ‡ ?	
	Up to 1x16, 2x8, 1x8+2x
PCI Express Configurations ‡ ?	Up to 1x16, 2x8, 1x8+2x
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ?	Up to 1x16, 2x8, 1x8+2x
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications	Up to 1x16, 2x8, 1x8+2x
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ?	Up to 1x16, 2x8, 1x8+2x
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35V
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology ‡ ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology ‡ ? Intel® vPro™ Platform Eligibility ‡ ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology ‡ ? Intel® vPro™ Platform Eligibility ‡ ? Intel® Hyper-Threading Technology ‡ ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD N N N Ye
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology † ? Intel® vPro™ Platform Eligibility † ? Intel® Hyper-Threading Technology † ? Intel® Virtualization Technology (VT-x) † ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD N N N Yee
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology ‡ ? Intel® vPro™ Platform Eligibility ‡ ? Intel® Hyper-Threading Technology † ? Intel® Virtualization Technology (VT-x) ‡ ? Intel® Virtualization Technology for Directed I/O (VT-d) † ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD N N Yee Yee
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology ‡ ? Intel® vPro™ Platform Eligibility ‡ ? Intel® Hyper-Threading Technology † ? Intel® Virtualization Technology (VT-x) ‡ ? Intel® Virtualization Technology for Directed I/O (VT-d) † ? Intel® VT-x with Extended Page Tables (EPT) ‡ ?	Up to 1x16, 2x8, 1x8+2x 1 FCLGA115 PCG 2015A (35W 37.5mm x 37.5mm See MDD N N Yee Yee Yee N
PCI Express Configurations ‡ ? Max # of PCI Express Lanes ? Package Specifications Sockets Supported ? Max CPU Configuration Thermal Solution Specification ? Package Size Low Halogen Options Available Advanced Technologies Intel® Turbo Boost Technology † ? Intel® vPro™ Platform Eligibility † ? Intel® Hyper-Threading Technology † ? Intel® Virtualization Technology (VT-x) † ? Intel® Virtualization Technology for Directed I/O (VT-d) † ? Intel® VT-x with Extended Page Tables (EPT) ‡ ? Intel® TSX-NI ?	PCG 2015A (35W 37.5mm x 37.5mm x 37.5mm N N Ye Ye N Ye 64-b



More support options for Intel® Celeron® Processor G3900TE (2M Cache, 2.30 GHz)





Downloads and Software



Support Community



Warranty and Replacement



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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, i7-2630QM/i7-2635QM, i5-2430M/i5-2435M, i5-2430M/i5-2435M. 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.

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.

Downloaded from Arrow.com. t 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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