

Memory Specifications

Max Memory Size (dependent on mem

Memory Types

Max # of Memory Channels

Max Memory Bandwidth

ECC Memory Supported ‡

Graphics Specifications

Processor Graphics ‡

Graphics Base Frequency

Graphics Max Dynamic Frequency

Graphics Video Max Memory

Graphics Output

Max Resolution (HDMI 1.4)‡

Max Resolution (DP)‡

DirectX* Support

OpenGL* Support

Intel® Quick Sync Video

Intel® InTru™ 3D Technology

Intel® Insider™

Intel® Wireless Display

Intel® Flexible Display Interface (Intel® F

Intel® Clear Video HD Technology

of Displays Supported ‡

Expansion Options

PCI Express Revision

PCI Express Configurations ‡

Max # of PCI Express Lanes

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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 BIOS. 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 for details. (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, driver, etc.) Functionality, performance, and other benefits of this feature may vary depending on system configuration.

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See <http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/index.html> for details on which processors support Intel® HT Technology.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved under specified conditions. See <http://www.intel.com/content/www/us/en/processors/turbo/index.html> for more information.

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System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not used in worst case scenarios.


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

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Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture operating system.

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