

Specifications Intel® Core™ i5-3210M Processor

Essentials	
Status	Launched
Launch Date	Q2'12
Processor Number	i5-3210M
# of Cores	2
# of Threads	4
Clock Speed	2.5 GHz
Max Turbo Frequency	3.1 GHz
Intel® Smart Cache	3 MB
Bus/Core Ratio	25
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	AVX
Embedded Options Available	No
Lithography	22 nm
Max TDP	35 W
Recommended Customer Price	N/A
Memory Specifications	
Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3/L/-RS 1333/1600
# of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported	No
Graphics Specifications	
Processor Graphics	Intel® HD Graphics 4000
Graphics Base Frequency	650 MHz

Graphics Max Dynamic Frequency	1.1 GHz
Graphics Output	eDP/DP/HDMI/SDVO/CRT
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Insider™	Yes
Intel® Wireless Display	Yes
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes
Dual Display Capable	Yes
# of Displays Supported	3
Expansion Options	
PCI Express Revision	3.0
PCI Express Configurations	1x16, 2x8, 1x8 2x4
# of PCI Express Lanes	1
Package Specifications	
Max CPU Configuration	1
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Package Size	31.0 x 24.0mm (BGA1023)
Graphics and IMC Lithography	22 nm
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Turbo Boost Technology	2.0
Intel® vPro Technology	No
Intel® Hyper-Threading Technology	Yes
Intel® Virtualization Technology (VT-x)	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	Yes

Intel® Trusted Execution Technology	No
AES New Instructions	Yes
Intel® 64	Yes
Intel® Anti-Theft Technology	Yes
Intel® My WiFi Technology	Yes
4G WiMAX Wireless Technology	Yes
Idle States	Yes
Enhanced Intel SpeedStep Technology	Yes
Intel® Demand Based Switching	No
Thermal Monitoring Technologies	Yes
Intel® Fast Memory Access	Yes
Intel® Flex Memory Access	Yes
Execute Disable Bit	Yes
Intel® VT-x with Extended Page Tables (EPT)	Yes