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<input checked="" type="checkbox"/> Highlight rows with differences	Intel® Core™ i5-2430M Processor (3M Cache, 2.40 GHz) 	Intel® Core™ i3-2330M Processor (3M Cache, 2.20 GHz) 
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Code Name Sandy Bridge Sandy Bridge

Essentials

Status Launched Launched

Launch Date Q4'11 Q2'11

Processor Number i5-2430M i3-2330M

of Cores 2 2

of Threads 4 4

Clock Speed 2.4 GHz 2.2 GHz

Max Turbo Frequency 3 GHz

Cache 3 MB Intel® Smart Cache 3 MB L3 Cache

Bus/Core Ratio 24 22

Bus Type DMI DMI

System Bus 5 GT/s 5 GT/s

Instruction Set 64-bit 64-bit

Instruction Set Extensions AVX AVX

Embedded Options Available No No

Lithography 32 nm 32 nm

Max TDP 35 W 35 W

Memory Specifications

Max Memory Size (dependent on memory type) 16 GB 16 GB

Memory Types DDR3-1066/1333 DDR3-1066/1333

# of Memory Channels	2	2
Max Memory Bandwidth	21.3 GB/s	21.3 GB/s
ECC Memory Supported	No	No

Graphics Specifications

Processor Graphics	Yes	Yes
Graphics Model	Intel® HD Graphics 3000	Intel® HD Graphics 3000
Graphics Base Frequency	650 MHz	650 MHz
Graphics Max Dynamic Frequency	1.2 GHz	1.1 GHz
Graphics Output	eDP/DP/HDMI/SDVO/CRT	eDP/DP/HDMI/SDVO/CRT
Intel® Quick Sync Video	Yes	Yes
Intel® InTru™ 3D Technology	Yes	Yes
Intel® Insider™	Yes	Yes
Intel® Wireless Display	Yes	Yes
Intel® Flexible Display Interface (Intel® FDI)	Yes	Yes
Intel® Clear Video HD Technology	Yes	Yes
Dual Display Capable	Yes	Yes
Macrovision* License Required	No	No

Expansion Options

PCI Express Revision	2.0	2.0
PCI Express Configurations	1x16, 2x8, 1x8+2x4	1x16, 2x8, 1x8 2x4
# of PCI Express Ports	1	1

Package Specifications

Max CPU Configuration	1	1
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T _{JUNCTION}	100 C	85C (PGA); 100C (BGA)
Package Size	37.5mmx37.5mm (rPGA988B); 31mm x 24mm (BGA1023)	37.5mm x 37.5mm (rPGA988B); 31mm x 24mm (BGA1023)
Graphics and IMC Lithography	32 nm	32 nm
Sockets Supported	PPGA988	FCBGA1023, PPGA988
Low Halogen Options Available	Yes	Yes

Advanced Technologies

Intel® Turbo Boost Technology	2.0	No
Intel® vPro Technology	No	No
Intel® Hyper-Threading Technology	Yes	Yes
Intel® Virtualization Technology (VT-x)	Yes	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	No	No
Intel® Trusted Execution Technology	No	No
AES New Instructions	Yes	No
Intel® 64	Yes	Yes
Intel® Anti-Theft Technology	Yes	Yes
Intel® My WiFi Technology	Yes	Yes
4G WiMAX Wireless Technology	Yes	Yes
Idle States	Yes	Yes
Enhanced Intel SpeedStep® Technology	Yes	Yes

Intel® Demand Based Switching	No	No
Thermal Monitoring Technologies	Yes	Yes
Intel® Fast Memory Access	Yes	Yes
Intel® Flex Memory Access	Yes	Yes
Execute Disable Bit	Yes	Yes
