

Intel® Products

Product Name	Intel® Core™ i7-2600 Processor (8M Cache, 3.40 GHz)	Intel® Core™ i5-2320 Processor (6M Cache, 3.00 GHz)
Code Name	Sandy Bridge	Sandy Bridge
Essentials		
Status	Launched	Launched
Launch Date	Q1'11	Q3'11
Processor Number	i7-2600	i5-2320
# of Cores	4	4
# of Threads	8	4
Clock Speed	3.4 GHz	3 GHz
Max Turbo Frequency	3.8 GHz	3.3 GHz
Cache	8 MB Intel® Smart Cache	6 MB Intel® Smart Cache
Bus/Core Ratio	34	30
Bus Type	DMI	DMI
System Bus	5 GT/s	5 GT/s
Instruction Set	64-bit	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX	SSE4.1/4.2, AVX
Embedded Options Available	Yes	No
Lithography	32 nm	32 nm
Max TDP	95 W	95 W
Recommended Customer Price	294.00	177.00
Memory Specifications		
Max Memory Size (dependent on memory type)	32 GB	32 GB
Memory Types	DDR3-1066/1333	DDR3-1066/1333
# of Memory Channels	2	2
Max Memory Bandwidth	21 GB/s	21 GB/s
ECC Memory Supported	No	No

Graphics Specifications

Processor Graphics	Yes	Yes
Graphics Model	Intel® HD Graphics 2000	Intel® HD Graphics 2000
Graphics Base Frequency	850 MHz	850 MHz
Graphics Max Dynamic Frequency	1.35 GHz	1.1 GHz
Intel® Quick Sync Video	Yes	Yes
Intel® InTru™ 3D Technology	Yes	Yes
Intel® Insider™	Yes	Yes
Intel® Wireless Display	No	No
Intel® Flexible Display Interface (Intel® FDI)	Yes	Yes
Intel® Clear Video HD Technology	Yes	Yes
Dual Display Capable	Yes	Yes

Expansion Options

PCI Express Revision	2.0	2.0
# of PCI Express Ports	1	1

Max CPU Configuration	1	1
T _{CASE}	72.6°C	72.6°C
Package Size	37.5mm x 37.5mm	37.5mm x 37.5mm
Sockets Supported	LGA1155	LGA1155
Low Halogen Options Available	Yes	Yes

Intel® Turbo Boost Technology	2.0	2.0
Intel® vPro Technology	Yes	No
Intel® Hyper-Threading Technology	Yes	No
Intel® Virtualization Technology (VT-x)	Yes	Yes
Intel® Virtualization	Yes	No

Technology for Directed I/O (VT-d)		
Intel® Trusted Execution Technology	Yes	No
AES New Instructions	Yes	Yes
Intel® 64	Yes	Yes
Idle States	Yes	Yes
Enhanced Intel SpeedStep® Technology	Yes	Yes
Thermal Monitoring Technologies	Yes	Yes
Intel® Fast Memory Access	Yes	Yes
Intel® Flex Memory Access	Yes	Yes
Execute Disable Bit	Yes	Yes