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Product Name	Intel® Core™ i7-2600K Processor (8M Cache, up to 3.80 GHz)	Intel® Core™ i7-3770T Processor (8M Cache, up to 3.70 GHz)
Code Name	Sandy Bridge	Ivy Bridge

- Essentials

Status	Launched	Launched
Launch Date	Q1'11	Q2'12
Processor Number	i7-2600K	i7-3770T
# of Cores	4	4
# of Threads	8	8
Clock Speed	3.4 GHz	2.5 GHz
Max Turbo Frequency	3.8 GHz	3.7 GHz
Cache	8 MB Intel® Smart Cache	8 MB Intel® Smart Cache
Bus/Core Ratio	34	25
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	No	No
Lithography	32 nm	22 nm
Max TDP	95 W	45 W
Recommended Customer Price	TRAY: \$317.00 BOX : \$326.00	TRAY: \$294.00

- Memory Specifications

Max Memory Size (dependent on memory type)	32 GB	32 GB
Memory Types	DDR3-1066/1333	DDR3-1333/1600
# of Memory Channels	2	2
Max Memory Bandwidth	21 GB/s	25.6 GB/s
ECC Memory Supported	No	No

- Graphics Specifications

Processor Graphics	Yes	Yes
Graphics Model	Intel® HD Graphics 3000	Intel® HD Graphics 4000
Graphics Base Frequency	850 MHz	650 MHz
Graphics Max Dynamic Frequency	1.35 GHz	1.15 GHz
Intel® Quick Sync Video	Yes	Yes
Intel® InTru™ 3D Technology	Yes	Yes
Intel® Insider™	Yes	Yes

Intel® Wireless Display	No	Yes
Intel® Flexible Display Interface (Intel® FDI)	Yes	Yes
Intel® Clear Video HD Technology	Yes	Yes
Dual Display Capable	Yes	
# of Displays Supported	2	3
- Expansion Options		
PCI Express Revision	2.0	3.0
PCI Express Configurations		1x16, 2x8, 1x8 & 2x4
# of PCI Express Lanes	1	
- Package Specifications		
Max CPU Configuration	1	1
T _{CASE}	72.6°C	69.8°C
Package Size	37.5mm x 37.5mm	37.5mm x 37.5mm
Sockets Supported	LGA1155	FCLGA1155
Low Halogen Options Available	See MDDS	See MDDS
- Advanced Technologies		
Intel® Turbo Boost Technology	2.0	2.0
Intel® vPro Technology	No	Yes
Intel® Hyper-Threading Technology	Yes	Yes
Intel® Virtualization Technology (VT-x)	Yes	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	No	Yes
Intel® Trusted Execution Technology	No	Yes
AES New Instructions	Yes	Yes
Intel® 64	Yes	Yes
Intel® Anti-Theft Technology		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
Intel® VT-x with Extended Page Tables (EPT)	Yes	Yes