

SPECIFICATIONS Intel® Core™ i5-4440 Processor (6M Cache, up to 3.30 GHz)

Essentials	
Status	Launched
Launch Date	Q3'13
Processor Number	i5-4440
# of Cores	4
# of Threads	4
Clock Speed	3.1 GHz
Max Turbo Frequency	3.3 GHz
Cache	6 MB
DMI2	5 GT/s
# of QPI Links	1
Instruction Set	64-bit
Instruction Set Extensions	SSE 4.1/4.2, AVX 2.0
Embedded Options Available	No
Lithography	22 nm
Max TDP	84 W
Thermal Solution Specification	PCG 2013D
Recommended Customer Price	BOX : \$187.00 TRAY: \$182.00
Memory Specifications	
Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1333/1600
# of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported	No
Graphics Specifications	
Processor Graphics	Intel® HD Graphics 4600

Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Insider™	Yes
Intel® Wireless Display	Yes
Intel® Clear Video HD Technology	Yes
# of Displays Supported	3
Expansion Options	
PCI Express Revision	3.0
PCI Express Configurations	Up to 1x16, 2x8, 1x8/2x4
Max # of PCI Express Lanes	16
Package Specifications	
Max CPU Configuration	1
Package Size	37.5mm x 37.5mm
Graphics and IMC Lithography	22nm
Sockets Supported	FCLGA1150
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Turbo Boost Technology	2.0
Intel® vPro Technology	No
Intel® Virtualization Technology (VT-x)	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	Yes
Intel® VT-x with Extended Page Tables (EPT)	Yes
Intel® TSX-NI	No
Intel® 64	Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes

Thermal Monitoring Technologies	Yes
Intel® Identity Protection Technology	Yes
Intel® Data Protection Technology	
AES New Instructions	Yes
Secure Key	Yes
Intel® Platform Protection Technology	
Execute Disable Bit	Yes
Anti-Theft Technology	Yes