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Intel® Xeon® Processor E5606
(8M Cache, 2.13 GHz, 4.80 GT/s Intel® QPI)

SPECIFICATIONS

- Essentials
- Memory Specifications
- Graphics Specifications
- Expansion Options
- Package Specifications
- Advanced Technologies

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SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q1'11
Processor Number	E5606
# of Cores	4
# of Threads	4
Clock Speed	2.13 GHz
Intel® Smart Cache	8 MB
Intel® QPI Speed	4.8 GT/s
# of QPI Links	2
Instruction Set	64-bit
Instruction Set Extensions	SSE4.2
Embedded Options Available	No
Lithography	32 nm
Max TDP	80 W
VID Voltage Range	0.750V-1.350V
Recommended Customer Price	

Memory Specifications

Max Memory Size (dependent on memory type)	288 GB
Memory Types	DDR3-800/1066
# of Memory Channels	3
Max Memory Bandwidth	25.6 GB/s
Physical Address Extensions	40-bit
ECC Memory Supported	Yes

Advanced Technologies

Intel® Hyper-Threading Technology		No
Intel® Virtualization Technology (VT-x)		Yes
Intel® Virtualization Technology for Directed I/O (VT-d)		
Intel® Trusted Execution Technology		Yes
AES New Instructions		
Intel® 64		Yes
Idle States		
Enhanced Intel SpeedStep® Technology		Yes
Intel® Demand Based Switching		
Thermal Monitoring Technologies		No
Execute Disable Bit		
Intel® VT-x with Extended Page Tables (EPT)		Yes

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PCN/MDDS Information

SLC2N
909213: PCN | MDDS
909764: PCN | MDDS

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system.

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