



DELL Xeon X5660 processor 2,8 GHz 12 MB L3 Tray

Brand : DELL

Product code: 317-4139

Product name : Xeon X5660

Xeon Processor X5660 (12M Cache, 2.80 GHz)

DELL Xeon X5660. Processor family: Intel® Xeon® 5000 Sequence, Processor socket: Socket B (LGA 1366), Processor lithography: 32 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 288 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2. Processor package size: 42.5 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



Processor		Features	
Processor model *	X5660	Idle States	✓
Processor base frequency *	2,8 GHz	Thermal Monitoring Technologies	✗
Processor family *	Intel® Xeon® 5000 Sequence	Market segment	Server
Processor cores *	6	Supported instruction sets	SSE4.2
Processor socket *	Socket B (LGA 1366)	Physical Address Extension (PAE)	✓
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	32 nm	Embedded options available	✗
Processor threads	12	Processor special features	
System bus rate	6,4 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	✓
Processor boost frequency	3,2 GHz	Intel® Smart Cache	✓
Processor cache	12 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	95 W	Intel Trusted Execution Technology	✓
Package type *	Tray	Intel VT-x with Extended Page Tables (EPT)	✓
VID Voltage Range	0,750 - 1,350 V	Intel Demand Based Switching	✓
Bus type	QPI	Intel Virtualization Technology (VT-x)	✓
CPU multiplier (bus/core ratio)	21	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of QPI links	2	Operational conditions	
Memory bandwidth supported by processor (max)	32 GB/s	Tcase	81,3 °C
Memory		Weight & dimensions	
Maximum internal memory supported by processor	288 GB	Processor package size	42.5 mm
Memory types supported by processor	DDR3-SDRAM	Other features	
Memory clock speeds supported by processor	800,1066,1333 MHz	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Memory channels *	Triple-channel		
ECC	✓		
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		

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