



HP Z820 Xeon E5-2609 4 Core 2.40GHz 10MB cache 1066MHz 2nd CPU processor 2.4 GHz L2

Brand : HP

Product code: A6S86AA

Product name : Z820 Xeon E5-2609 4 Core 2.40GHz 10MB cache 1066MHz 2nd CPU

HP Z820 Xeon E5-2609 4 Core 2.40GHz 10MB cache 1066MHz 2nd CPU
 HP Z820 Xeon E5-2609 4 Core 2.40GHz 10MB cache 1066MHz 2nd CPU. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 32 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 750 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Scalability: S2S. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x, Compatibility: HP Z820

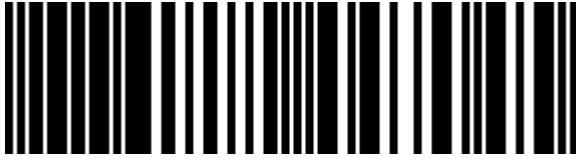


Processor		Features	
Processor model *	E5-2609	Thermal Monitoring Technologies	✓
Processor base frequency *	2.4 GHz	Market segment	Server
Processor family *	Intel® Xeon® E5 Family	Maximum number of PCI Express lanes	40
Processor cores *	4	PCI Express slots version	3.0
Processor socket *	LGA 2011 (Socket R)	Scalability	S2S
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	32 nm	Embedded options available	✗
Processor threads	4	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 cache	10 MB	Intel Flex Memory Access	✓
Processor cache type	L2	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor front side bus	1066 MHz	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	80 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.6 - 1.35 V	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
CPU multiplier (bus/core ratio)	24	Intel Virtualization Technology (VT-x)	✓
Number of QPI links	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel® vPro™ Platform Eligibility	✓
Memory		Operational conditions	
Maximum internal memory supported by processor	750 GB	Tcase	70 °C
Memory types supported by processor	DDR3-SDRAM	Other features	
Memory clock speeds supported by processor	800,1066 MHz	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Memory channels *	Quad-channel	Compatibility	HP Z820
ECC	✓		
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		

Features

Idle States





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