



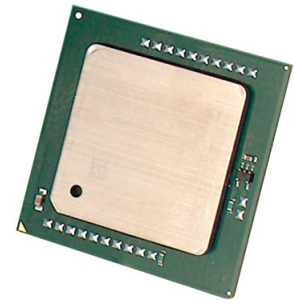
HP BL660c Gen8 Intel Xeon E5-4620v2 (2.6GHz/8-core/20MB/95W) 2- Kit processor L3

Brand : HP

Product code: 727580-B21

Product name : BL660c Gen8 Intel Xeon E5-4620v2
(2.6GHz/8-core/20MB/95W) 2-processor Kit

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HP BL660c Gen8 Intel Xeon E5-4620v2 (2.6GHz/8-core/20MB/95W) 2-processor Kit. Processor family:
Intel® Xeon® E5 V2 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 22 nm.
Memory channels: Quad-channel, Maximum internal memory supported by processor: 768 GB, Memory
types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX,
Bandwidth: 7.2 MB/s. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



Processor		Features	
Processor model *	E5-4620V2	Maximum number of PCI Express lanes	40
Processor base frequency *	2.6 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 V2 Family	Supported instruction sets	AVX
Processor cores *	8	Bandwidth	7.2 MB/s
Processor socket *	LGA 2011 (Socket R)	Scalability	4S
Component for	Server/workstation	Physical Address Extension (PAE)	✓
Processor lithography *	22 nm	CPU configuration (max)	4
Processor threads	16	Embedded options available	✗
System bus rate	7.2 GT/s	Processor special features	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	20 MB	Intel® Smart Cache	✓
Processor cache type	L3	Intel® AES New Instructions (Intel® AES-NI)	✓
L3 cache speed	2.6 GHz	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	95 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.65 - 1.3 V	Intel Enhanced Halt State	✓
Stepping	M1	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	2	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	51.2 GB/s	Intel TSX-NI	✗
Memory		Intel® OS Guard	✓
Maximum internal memory supported by processor	768 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Operational conditions	
Memory channels *	Quad-channel	Tcase	75 °C
ECC	✓	Other features	
Graphics		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		

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Publication date: 22-DEC-2023. Prints or copies of Information are only valid on the printed Publication date