



HP Xeon E5-1620 v4 3.5 10M 2400 4C processor 3.5 GHz 10 MB L3

Brand : HP

Product code: T9U54AV

Product name : Xeon E5-1620 v4 3.5 10M 2400 4C

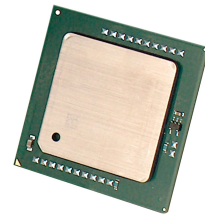
Intel Xeon Processor E5-1620 v4 (10M Cache, 3.50 GHz)

HP Xeon E5-1620 v4 3.5 10M 2400 4C processor 3.5 GHz 10 MB L3:

Intel® Turbo Boost Technology dynamically increases the processor's frequency as needed by taking advantage of thermal and power headroom to give you a burst of speed when you need it, and increased energy efficiency when you don't.

Intel® vPro™ Technology is a set of security and manageability capabilities built into the processor aimed at addressing four critical areas of IT security: 1) Threat management, including protection from rootkits, viruses, and malware 2) Identity and web site access point protection 3) Confidential personal and business data protection 4) Remote and local monitoring, remediation, and repair of PCs and workstations.

Intel® Hyper-Threading Technology (Intel® HT Technology) delivers two processing threads per physical core. Highly threaded applications can get more work done in parallel, completing tasks sooner.



Processor		Features	
Processor model *	E5-1620V4	Supported instruction sets	AVX 2.0
Processor base frequency *	3.5 GHz	Scalability	1S
Processor family *	Intel® Xeon® E5 v4	Physical Address Extension (PAE)	✓
Processor cores *	4	CPU configuration (max)	1
Processor socket *	LGA 2011-v3	Embedded options available	✗
Component for	Server/workstation	Physical Address Extension (PAE)	46 bit
Processor lithography *	14 nm	Processor special features	
Processor series	Intel Xeon E5-1600 v4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	✓
Processor boost frequency	3.8 GHz	Intel Flex Memory Access	✗
Processor cache	10 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	140 W	Intel Trusted Execution Technology	✓
Box *	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Memory bandwidth supported by processor (max)	76.8 GB/s	Intel® Secure Key	✓
Memory		Intel TSX-NI	✓
Maximum internal memory supported by processor	1.54 TB	Intel® OS Guard	✓
Memory types supported by processor	DDR4-SDRAM	Intel 64	✓
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz	Intel Virtualization Technology (VT-x)	✓
Memory channels *	Quad-channel	Intel Virtualization Technology for Directed I/O (VT-d)	✓
ECC	✓	Conflict-Free processor	✓
Graphics		Intel® vPro™ Platform Eligibility	✓
On-board graphics card *	✗	Operational conditions	
Features		Tcase	69 °C
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	40		

Features

PCI Express slots version 3.0

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