



HP Intel Xeon E5-2603 processor 1.8 GHz 10 MB L3

Brand : HP

Product code: 654424-B21

Product name : Intel Xeon E5-2603



Intel Xeon E5-2603, 10M Cache, 1.80 GHz, 6.40 GT/s Intel QPI
HP Intel Xeon E5-2603. 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 clock speeds supported by processor: 800,1066 MHz. Market segment: Server. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Features	
Processor model *	E5-2603	Idle States	✓
Processor base frequency *	1.8 GHz	Thermal Monitoring Technologies	✓
Processor family *	Intel® Xeon® E5 Family	Market segment	Server
Processor cores *	4	PCI Express slots version	3.0
Processor socket *	LGA 2011 (Socket R)	CPU configuration (max)	2
Component for	Server/workstation	Processor special features	
Processor lithography *	32 nm	Intel Flex Memory Access	✓
Processor threads	4	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	6.40 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✓
Processor cache	10 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	L3	Intel Demand Based Switching	✓
Thermal Design Power (TDP)	80 W	Intel Virtualization Technology (VT-x)	✓
VID Voltage Range	0.6 - 1.35 V	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	M1	Intel® vPro™ Platform Eligibility	✓
CPU multiplier (bus/core ratio)	18	Operational conditions	
Memory bandwidth supported by processor (max)	34.1 GB/s	Tcase	70 °C
Memory		Other features	
Maximum internal memory supported by processor	750 GB	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Memory clock speeds supported by processor	800,1066 MHz		
Memory channels *	Quad-channel		
ECC	✓		
Features			
Execute Disable Bit	✓		

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