



HP Intel Xeon w5-3433 processor 2 GHz 45 MB Smart Cache

Brand : HP

Product code: 6M6S6AV

Product name : Intel Xeon w5-3433

Intel Xeon w5-3433 Processor 45M Cache, 2.00 GHz

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HP Intel Xeon w5-3433. Processor family: Intel Xeon W, Processor socket: LGA 4677 (Socket E), Processor manufacturer: Intel. Memory channels: Octa-channel, Maximum internal memory supported by processor: 4 TB, Memory types supported by processor: DDR5-SDRAM. Market segment: Workstation, Use conditions: Workstation, Supported instruction sets: AMX, AVX 2.0, AVX-512, SSE4.1, SSE4.2. Intel® Turbo Boost Max Technology 3.0 frequency: 4.2 GHz, Intel® Turbo Boost Technology 2.0 frequency: 4 GHz



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Max Technology 3.0 frequency	4.2 GHz
Processor model *	w5-3433	Intel® Turbo Boost Technology 2.0 frequency	4 GHz
Processor base frequency *	2 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel Xeon W	Intel® Total Memory Encryption	✓
Processor cores *	16	Intel® Control-flow Enforcement Technology (CET)	✓
Processor socket *	LGA 4677 (Socket E)	Intel® Platform Firmware Resilience Support	✓
Processor threads	32	Intel VT-x with Extended Page Tables (EPT)	✓
Intel® UPI Speed	0 GT/s	Intel® Active Management Technology (Intel® AMT)	✓
Processor operating modes *	64-bit	Intel® OS Guard	✓
Processor boost frequency	4.2 GHz	Intel Software Guard Extensions (Intel SGX)	✗
Performance-core base frequency	16 GHz	Intel 64	✓
Processor cache	45 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	Smart Cache	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor base power	220 W	Intel Turbo Boost Max Technology 3.0	✓
Maximum turbo power	264 W	AVX-512 Fused Multiply-Add (FMA) units	2
Bus type	UPI	Intel® Boot Guard	✓
Memory		Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Maximum internal memory supported by processor	4 TB	Intel® Resource Director Technology (Intel® RDT)	✗
Memory types supported by processor	DDR5-SDRAM	Mode-based Execute Control (MBE)	✓
Memory clock speeds supported by processor	4400 MHz	Intel® Optane™ DC Persistent Memory Supported	✗
Memory channels *	Octa-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	Intel® One-Click Recovery	✗
Graphics		Intel® Remote Platform Erase (RPE)	✗
On-board graphics card *	✗	Intel® Virtualization Technology with Redirect Protection (VT-rp)	✓
Discrete graphics card *	✗	Intel® Threat Detection Technology (TDT)	✗
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Workstation		
Use conditions	Workstation		
Maximum number of PCI Express lanes	112		
PCI Express slots version	5.0		
Supported instruction sets	AMX, AVX 2.0, AVX-512, SSE4.1, SSE4.2		

Features		Processor special features	
Scalability	15	Intel® Total Memory Encryption - Multi Key	✗
CPU configuration (max)	1	Intel® QuickAssist Software Acceleration	✗
Embedded options available	✗	Intel® Data Streaming Accelerator (DSA)	1
Direct Media Interface (DMI) Revision	4.0	Intel® Advanced Matrix Extensions (AMX)	✓
Processor special features		Operational conditions	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Tcase	77 °C
Intel® Turbo Boost Technology	2.0	DTS Max	93 °C
Intel® AES New Instructions (Intel® AES-NI)	✓	Technical details	
Enhanced Intel SpeedStep Technology	✓	Package carrier	E1A
Intel Trusted Execution Technology	✓		
Intel® Speed Shift Technology	✓		

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