

Intel Xeon w5-2455X processor 3,2 GHz 30 MB Smart Cache Box

Merk : Intel

Productfamilie: Xeon

Artikelcode: BX807132455X

Productnaam : w5-2455X

Intel Xeon w5-2455X. Processorfamilie: Intel® Xeon® W, Processor socket: FCLGA4677, Processorfabrikant: Intel. Geheugen kanaal: Vierkanaals, Maximaal intern geheugen ondersteund door processor: 2000 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Workstation, Gebruiksvoorwaarden: Workstation, Ondersteunde instructie sets: SSE4.1, AMX, SSE4.2, AVX 2.0, AVX-512. Intel® Turbo Boost Max Technology 3.0 frequency: 4,6 GHz, Intel® Turbo Boost Technology 2.0 frequency: 4,4 GHz, Intel® QuickAssist Technology (QAT): 0 default devices. Type verpakking: Retaildoos



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Control-flow Enforcement Technology (CET)	✓
Processormodel *	w5-2455X	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Basisfrequentie processor *	3,2 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processorfamilie *	Intel® Xeon® W	Intel® Active Management Technology (Intel® AMT)	✓
Aantal processorkernen *	12	Intel® OS Guard	✓
Processor socket *	FCLGA4677	Intel® Software Guard Extensions (Intel® SGX)	✗
Processor aantal threads	24	Intel® 64	✓
Processor operating modes *	64-bit	Intel® Virtualization Technology (VT-x)	✓
Prestatiekernen	12	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximale turbofrequentie van processor	4,6 GHz	Intel® Turbo Boost Max Technology 3.0	✓
Processor cache	30 MB	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Processor cache type	Smart Cache	Intel® Boot Guard	✓
Box *	✓	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor basisvermogen	200 W	Intel® Resource Director-technologie (Intel® RDT)	✗
Maximaal turbovermogen	240 W	Mode-based Execute Control (MBE)	✓
Stepping	S3	Intel® Optane™ DC Persistent Memory ondersteunt	✗
Bus type	DMI4	Intel® vPro™ Platform Eligibility	✓
Codenaam processor	Sapphire Rapids	Intel® One-Click Recovery (Herstel met 1 klik)	✗
ARK ID processor	233420	Intel® Remote Platform Erase (RPE)	✗
Geheugen		Intel® virtualisatietechnologie met omleidingsbescherming (VT-rp)	✓
Maximaal intern geheugen ondersteund door processor	2000 GB	Intel vPro® Enterprise-platformvoorwaarden	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel®-technologie voor dreigingsdetectie (TDT)	✗
Geheugen kanaal *	Vierkanaals	Intel® totale geheugencodering - Meerdere sleutels	✗
ECC	✓	Intel® QuickAssist-softwareversnelling	✗
Grafisch		Intel® QuickAssist Technology (QAT)	0 default devices
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Workstation		
Gebruiksvoorwaarden	Workstation		
Maximaal aantal PCI Express-lijnen	64		
PCI Express slots versie	5.0		

Kenmerken		Processor speciale functies	
Ondersteunde instructie sets	SSE4.1, AMX, SSE4.2, AVX 2.0, AVX-512	Intel® Dynamic Load Balancer (DLB)	0 default devices
Schaalbaarheid	1S	Intel® Data Streaming Accelerator (DSA)	1 default devices
CPU configuratie (max)	1	Intel® In-memory Analytics Accelerator (IAA)	0 default devices
Ingebouwde opties beschikbaar	✗	Intel® Advanced Matrix Extensions (AMX)	✓
Directe media-interface (DMI) revisie	4.0	Eisen aan de omgeving	
Export Control Classification Number (ECCN)	5A992C	Tcase	77 °C
Commodity Classification Automated Tracking System (CCATS)	G180729	DTS Max	100 °C
Processor speciale functies		Technische details	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Lanceringsdatum	Q1'23
Intel® Turbo Boost Technology	2.0	Status	Launched
Intel® AES New Instructions (Intel® AES-NI)	✓	Ondersteunde geheugen types	DDR5-SDRAM
Enhanced Intel SpeedStep Technology	✓	Geheugensnelheid (max)	4800 MHz
Intel® Trusted Execution Technology	✓	Pakketvervoerder (package carrier)	E1B
Intel® Speed Shift-technologie	✓	Logistieke gegevens	
Intel® Turbo Boost Max Technology 3.0 frequency	4,6 GHz	Code geharmoniseerd systeem (HS)	8542310001
Intel® Turbo Boost Technology 2.0 frequency	4,4 GHz	Verpakking	
Intel® Transactional Synchronization Extensions	✓	Type verpakking	Retaildoos
Intel® Total Memory Encryption	✓	Gewicht en omvang	
		Verpakkingsgrootte processor	77.5 x 56.5 mm
		Overige specificaties	
		Maximum intern geheugen	2000 GB



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