



DELL Xeon Silver 4410Y processor 2 GHz 30 MB

Merk : DELL

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Productnaam : Xeon Silver 4410Y

Intel® Xeon® Silver 4410Y 2GHz Twelve Core Processor, 12C/24T, 16GT/s, 30M Cache, Turbo, HT (150W) DDR5-4000, Customer Install
 DELL Xeon Silver 4410Y. Processorfamilie: Intel® Xeon® Silver, Processor socket: LGA 4677 (Socket E), Processorfabrikant: Intel. Geheugen kanaal: Achtkanaals, Maximaal intern geheugen ondersteund door processor: 4 TB, Geheugentypen ondersteund door processor: DDR5-SDRAM. Marktsegment: Server, Gebruiksvoorwaarden: Server/Enterprise, Ondersteunde instructie sets: AMX, AVX, AVX 2.0, AVX-512, SSE4.2. Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 64 GB, Intel® Data Streaming Accelerator (DSA): 1 default devices. Verpakkingsgrootte processor: 77.5 x 56.5 mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Speed Shift-technologie	✓
Processorgeneratie	Intel Xeon Scalable 4th Gen	Intel® Transactional Synchronization Extensions	✓
Processormodel *	4410Y	Intel® Total Memory Encryption	✓
Basisfrequentie processor *	2 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processorfamilie *	Intel® Xeon® Silver	Intel® Crypto Acceleration	✓
Aantal processorkernen *	12	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Processor socket *	LGA 4677 (Socket E)	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	64 GB
Processor aantal threads	24	Intel® VT-x with Extended Page Tables (EPT)	✓
Intel® UPI-snelheid	16 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel® Software Guard Extensions (Intel® SGX)	✓
Maximale turbofrequentie van processor	3,9 GHz	Intel® 64	✓
Processor cache	30 MB	Intel® Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	150 W	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	S3	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Codenaam processor	Sapphire Rapids	Intel® Boot Guard	✓
ARK ID processor	232376	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Geheugen		Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP)	✓
Maximaal intern geheugen ondersteund door processor	4 TB	Intel® Resource Director-technologie (Intel® RDT)	✓
Geheugentypen ondersteund door processor	DDR5-SDRAM	Mode-based Execute Control (MBE)	✓
Klokgeheugen-snelheden ondersteund door processor	4000 MHz	Intel® QuickAssist-softwareversnelling	✓
Geheugen kanaal *	Achtkanaals	Intel® On Demand Feature Activation	✓
ECC	✓	Intel® Data Streaming Accelerator (DSA)	1 default devices
Grafisch		Intel® Advanced Matrix Extensions (AMX)	✓
Ingebouwde grafische adapter *	✗	Eisen aan de omgeving	
Aparte grafische adapter *	✗	Tcase	78 °C
On-board graphics adapter model *	Niet beschikbaar	DTS Max	93 °C
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		
Gebruiksvoorwaarden	Server/Enterprise		
Maximaal aantal PCI Express-lijnen	80		
PCI Express slots versie	5.0		
Ondersteunde instructie sets	AMX, AVX, AVX 2.0, AVX-512, SSE4.2		
Schaalbaarheid	2S		

Kenmerken		Technische details	
Ingebouwde opties beschikbaar	✓	Aantal UPI-koppelingen	2
Processor speciale functies		Pakketvervoerder (package carrier)	E1B
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Gewicht en omvang	
Intel® Turbo Boost Technology	2.0	Verpakkingsgrootte processor	77.5 x 56.5 mm
Intel® AES New Instructions (Intel® AES-NI)	✓	Overige specificaties	
Intel® Trusted Execution Technology	✓	Maximum intern geheugen	4 TB



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