



DELL Xeon Silver 4410Y suoritin 2 GHz 30 MB

Tuotemerkki : DELL

Tuotekoodi: 338-CLWC

Tuotteen nimi : Xeon Silver 4410Y

DELL Xeon Silver 4410Y. Suoritinperhe: Intel® Xeon Silver, Prosessorin kanta: LGA 4677 (Socket E), Suoritinvalmistaja: Intel. Muistikanavat: Octa-kanava, Prosessorin tukema suurin sisäinen muisti: 4 TB, Prosessorin tukemat muistityypit: DDR5-SDRAM. Markkinasegmentti: Palvelin, Käyttöolosuhteet: Server/Enterprise, Tuetut ohjepaketit: AMX, AVX, AVX 2.0, AVX-512, SSE4.2. Intel® SGX:n tuettu enklaavin enimmäiskoko: 64 GB, Intel® Data Streaming Accelerator (DSA): 1 default devices. Prosessorin pakkausko: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Speed Shift Technology	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Transactional Synchronization Extensions	✓
Processor model *	4410Y	Intel® Total Memory Encryption	✓
Processor base frequency *	2 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processor family *	Intel Xeon Silver	Intel® Crypto Acceleration	✓
Processor cores *	12	Intel® Platform Firmware Resilience Support	✓
Processor socket *	LGA 4677 (Socket E)	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor threads	24	Intel VT-x with Extended Page Tables (EPT)	✓
Intel® UPI Speed	16 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel Software Guard Extensions (Intel SGX)	✓
Processor boost frequency	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) units	2
Processor codename	Sapphire Rapids	Intel® Boot Guard	✓
Processor ARK ID	232376	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Memory		Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
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	4000 MHz	Intel® QuickAssist Software Acceleration	✓
Memory channels *	Octa-channel	Intel® On Demand Feature Activation	✓
ECC	✓	Intel® Data Streaming Accelerator (DSA)	1 default devices
Graphics		Intel® Advanced Matrix Extensions (AMX)	✓
On-board graphics card *	✗	Operational conditions	
Discrete graphics card *	✗	Tcase	78 °C
On-board graphics card model *	Not available	DTS Max	93 °C
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Use conditions	Server/Enterprise		
Maximum number of PCI Express lanes	80		
PCI Express slots version	5.0		
Supported instruction sets	AMX, AVX, AVX 2.0, AVX-512, SSE4.2		

Features		Technical details	
Scalability	25	Number of UPI links	2
Embedded options available	✓	Package carrier	E1B
Processor special features		Weight & dimensions	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Processor package size	77.5 x 56.5 mm
Intel® Turbo Boost Technology	2.0	Other features	
Intel® AES New Instructions (Intel® AES-NI)	✓	Maximum internal memory	4 TB
Intel Trusted Execution Technology	✓		



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