

Fujitsu Intel Xeon Gold 5415+ processor 2,9 GHz 22,5 MB

Merk : Fujitsu

Artikelcode: PY-CP65XT

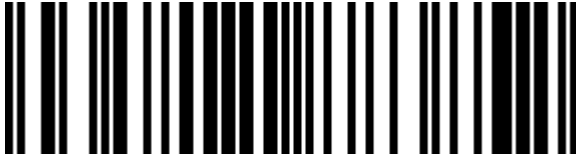
Productnaam : Intel Xeon Gold 5415+

Fujitsu Intel Xeon Gold 5415+. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 4677 (Socket E), Processorfabrikant: Intel. Geheugen kanaal: Achtkanaals, Maximaal intern geheugen ondersteund door processor: 6 TB, Geheugentypen ondersteund door processor: DDR5-SDRAM. Marktsegment: Server, Gebruiksvoorwaarden: Server/Enterprise, Ondersteunde instructie sets: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 128 GB, Intel® QuickAssist Technology (QAT): 1 default devices, Intel® Dynamic Load Balancer (DLB): 1 default devices. Type verpakking: Retaildoos



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Control-flow Enforcement Technology (CET)	✓
Processorgeneratie	Intel Xeon Scalable 4th Gen	Intel® Crypto Acceleration	✓
Processormodel *	5415+	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Basisfrequentie processor *	2,9 GHz	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	128 GB
Processorfamilie *	Intel® Xeon® Gold	Intel® VT-x with Extended Page Tables (EPT)	✓
Aantal processorkernen *	8	Intel® OS Guard	✓
Processor socket *	LGA 4677 (Socket E)	Intel® Software Guard Extensions (Intel® SGX)	✓
Processor aantal threads	16	Intel® 64	✓
Systeembus	16 GT/s	Intel® Virtualization Technology (VT-x)	✓
Maximale turbofrequentie van processor	4,1 GHz	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Kernen met hoge prioriteit	2	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Kernfrequentie met hoge prioriteit	3,1 GHz	Intel® Boot Guard	✓
Kernen met lage prioriteit	6	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Processor cache	22,5 MB	Intel® Resource Director-technologie (Intel® RDT)	✓
Thermal Design Power (TDP)	150 W	Intel® Run Sure-technologie	✓
Stepping	S3	Mode-based Execute Control (MBE)	✓
Codenaam processor	Sapphire Rapids	Intel® Optane™ DC Persistent Memory ondersteunt	✓
ARK ID processor	232373	Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF)	✓
Geheugen		Intel® QuickAssist-softwareversnelling	✓
Maximaal intern geheugen ondersteund door processor	6 TB	Intel® On Demand Feature Activation	✓
Geheugentypen ondersteund door processor	DDR5-SDRAM	Intel® QuickAssist Technology (QAT)	1 default devices
Geheugen kanaal *	Achtkanaals	Intel® Dynamic Load Balancer (DLB)	1 default devices
ECC	✓	Intel® Data Streaming Accelerator (DSA)	1 default devices
Grafisch		Intel® In-memory Analytics Accelerator (IAA)	1 default devices
Ingebouwde grafische adapter *	✗	Intel® Advanced Matrix Extensions (AMX)	✓
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
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, SSE4.2, AVX, AVX 2.0, AVX-512		

Kenmerken		Eisen aan de omgeving	
Schaalbaarheid	25	Tcase	78 °C
Ingebouwde opties beschikbaar	✓	DTS Max	99 °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
Intel® Trusted Execution Technology	✓	Geheugensnelheid (max)	4400 MHz
Intel® Speed Shift-technologie	✓	Aantal UPI-koppelingen	3
Intel® Transactional Synchronization Extensions	✓	Pakketvervoerder (package carrier)	E1B
Intel® Total Memory Encryption	✓		
		Verpakking	
		Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	77.5 x 56.5 mm
		Overige specificaties	
		Maximum intern geheugen	4 TB



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