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Lenovo 4XG7A14812 suoritin 2,1 GHz 11 MB Smart Cache

Tuotemerkki: Lenovo Tuotekoodi: 4XG7A14812

Tuotteen nimi: 4XG7A14812

Lenovo 4XG7A14812. Suoritinperhe: Intel® Xeon Silver, Prosessorin kanta: LGA 3647 (Socket P), Prosessorin litografia: 14 nm. Muistikanavat: Hexa-kanava, Prosessorin tukema suurin sisäinen muisti: 1 TB, Prosessorin tukemat muistityypit: DDR4-SDRAM. Markkinasegmentti: Palvelin, Tuetut ohjepaketit: AVX-512, Skaalautuvuus: 2S. Prosessorin pakkauskoko: 76 x 56.5 mm. Yhteensopivuus: ThinkSystem ST550



Processor		Features	
Processor generation	2nd Generation Intel® Xeon®	PCI Express slots version	3.0
Processor model *	Scalable 4208	Supported instruction sets	AVX-512
Processor model * Processor base frequency *	4208 2.1 GHz	Scalability	25
Processor family *	Intel Xeon Silver	Embedded options available	×
Processor cores *	8	Processor special features	
Processor socket *	LGA 3647 (Socket P)	Intel® Hyper Threading Technology	,
Component for	Server/workstation	(Intel® HT Technology)	1
Processor lithography *	14 nm	Intel® Turbo Boost Technology	2.0
Processor series	Intel Xeon Silver 4000 Series	Intel® AES New Instructions (Intel®	/
Processor threads	16	AES-NI)	
Processor operating modes *	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.2 GHz	Intel Trusted Execution Technology	✓
Processor cache	11 MB	Intel® Speed Shift Technology	1
Processor cache type	Smart Cache	Intel VT-x with Extended Page	
Thermal Design Power (TDP)	85 W	Tables (EPT)	1
Bus type	UPI	Intel TSX-NI	✓
Processor codename	Cascade Lake	Intel 64	✓
Memory		Intel Virtualization Technology (VT-	
Maximum internal memory	1 TB	x)	•
supported by processor	110	Intel Virtualization Technology for	✓
Memory types supported by processor	DDR4-SDRAM	Directed I/O (VT-d) Intel Turbo Boost Max Technology	
Memory clock speeds supported by		3.0	×
processor	2400 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Hexa-channel	Operational conditions	
ECC	✓	Tcase	78 °C
Graphics		Logistics data	
On-board graphics card *	×	Harmonized System (HS) code	85423119
Discrete graphics card *	×	•	
On-board graphics card model *	Not available	Weight & dimensions	
Discrete graphics card model *	Not available	Processor package size	76 x 56.5 mm
Features		Other features	
Execute Disable Bit	1	Compatibility	ThinkSystem ST550
Market segment	Server		
Maximum number of PCI Express	48		





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