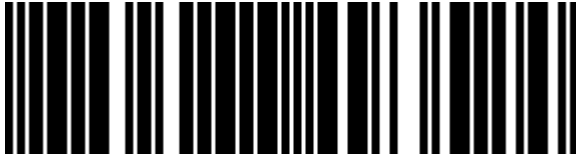Lenovo

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

Processor generation	2nd Generation Intel® Xeon® Scalable
Processor model *	4208
Processor base frequency *	2.1 GHz
Processor family *	Intel Xeon Silver
Processor cores *	8
Processor socket *	LGA 3647 (Socket P)
Component for	Server/workstation
Processor lithography *	14 nm
Processor series	Intel Xeon Silver 4000 Series
Processor threads	16
Processor operating modes *	64-bit
Processor boost frequency	3.2 GHz
Processor cache	11 MB
Processor cache type	Smart Cache
Thermal Design Power (TDP)	85 W
Bus type	UPI
Processor codename	Cascade Lake

Memory

Maximum internal memory supported by processor	1 TB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2400 MHz
Memory channels *	Hexa-channel
ECC	✔

Graphics

On-board graphics card *	✗
Discrete graphics card *	✗
On-board graphics card model *	Not available
Discrete graphics card model *	Not available

Features

Execute Disable Bit	✔
Market segment	Server
Maximum number of PCI Express lanes	48

Features

PCI Express slots version	3.0
Supported instruction sets	AVX-512
Scalability	2S
Embedded options available	✗

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✔
Intel® Speed Shift Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Turbo Boost Max Technology 3.0	✗
Intel® vPro™ Platform Eligibility	✔

Operational conditions

Tcase	78 °C

Logistics data

Harmonized System (HS) code	85423119

Weight & dimensions

Processor package size	76 x 56.5 mm

Other features

Compatibility	ThinkSystem ST550

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