



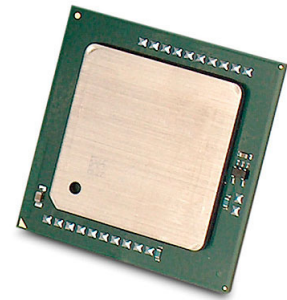
Lenovo Intel Xeon E5-2683 v4 processor 2.1 GHz 40 MB Smart Cache

Brand : Lenovo

Product code: 4XG0G89052

Product name : Intel Xeon E5-2683 v4

Intel Xeon E5-2683 v4, 40M Cache, 2.1 GHz, 9.6 GT/s QPI, Factory Integrated
Lenovo Intel Xeon E5-2683 v4. Processor family: Intel® Xeon® E5 v4, Processor socket: LGA 2011-v3, Processor lithography: 14 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.54 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX 2.0, Scalability: 2S



Processor		Features	
Processor model *	E5-2683V4	PCI Express slots version	3.0
Processor base frequency *	2.1 GHz	Supported instruction sets	AVX 2.0
Processor family *	Intel® Xeon® E5 v4	Scalability	2S
Processor cores *	16	Physical Address Extension (PAE)	✓
Processor socket *	LGA 2011-v3	CPU configuration (max)	2
Component for	Server/workstation	Embedded options available	✗
Processor lithography *	14 nm	Physical Address Extension (PAE)	46 bit
Processor series	Intel Xeon E5-2600 v4	Processor special features	
Processor threads	32	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	9.6 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3 GHz	Intel Flex Memory Access	✗
Processor cache	40 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	120 W	Intel Trusted Execution Technology	✓
Stepping	B0	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	2	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	76.8 GB/s	Intel TSX-NI	✓
Memory		Intel® OS Guard	✓
Maximum internal memory supported by processor	1.54 TB	Intel 64	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Quad-channel	Conflict-Free processor	✓
ECC	✓	Intel® vPro™ Platform Eligibility	✓
Graphics		Operational conditions	
On-board graphics card *	✗	Tcase	84 °C
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	40		

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 24-JAN-2024. Prints or copies of Information are only valid on the printed Publication date