



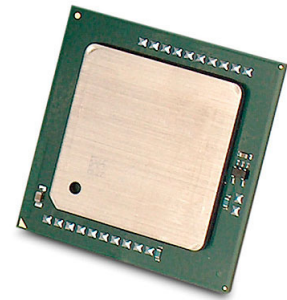
# Lenovo Intel Xeon E5-2695 v4 processor 2.1 GHz 45 MB Smart Cache

Brand : Lenovo

Product code: 00YE715

Product name : Intel Xeon E5-2695 v4

Intel Xeon E5-2695 v4, 45M Cache, 2.1 GHz, 9.6 GT/s QPI, Factory Integrated  
Lenovo Intel Xeon E5-2695 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 *                              | E5-2695V4               | 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 *                              | 18                      | 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                              | 36                      | 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                      | 3.3 GHz                 | Intel Flex Memory Access                                 | ✗       |
| Processor cache                                | 45 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: 04-JAN-2024. Prints or copies of Information are only valid on the printed Publication date