



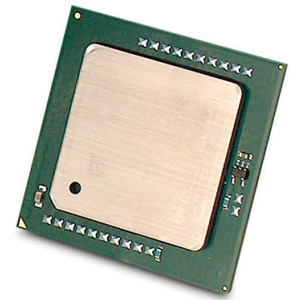
Lenovo Intel Xeon E5-2695 v4 processor 2.1 GHz 45 MB Smart Cache

Brand : Lenovo

Product code: 4XG0G89049

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 | | |

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