



DELL Intel Xeon E5-2695 v2 processor 2.4 GHz 30 MB Smart Cache

Brand : DELL

Product code: 338-BDDM

Product name : Intel Xeon E5-2695 v2

Intel Xeon E5-2695 v2, 30M Cache, 2.4 GHz, 8 GT/s QPI, FCLGA2011

DELL Intel Xeon E5-2695 v2 processor 2.4 GHz 30 MB Smart Cache:

The Intel® E5-2695 v2 2.40 GHz Twelve Core Processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep® technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the E5-2695 v2 2.40 GHz Twelve Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



| Processor | | Features | |
|--|-----------------------------|--|--------------------------------|
| Processor model * | E5-2695V2 | Maximum number of PCI Express lanes | 40 |
| Processor base frequency * | 2.4 GHz | PCI Express slots version | 3.0 |
| Processor family * | Intel® Xeon® E5 V2 Family | Supported instruction sets | AVX |
| Processor cores * | 12 | Scalability | 25 |
| Processor socket * | LGA 2011 (Socket R) | Physical Address Extension (PAE) | ✓ |
| Component for | Server/workstation | CPU configuration (max) | 2 |
| Processor lithography * | 22 nm | Embedded options available | ✗ |
| Processor series | Intel Xeon E5-2600 v2 | Physical Address Extension (PAE) | 46 bit |
| Processor threads | 24 | Processor special features | |
| System bus rate | 8 GT/s | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor operating modes * | 64-bit | Intel® Identity Protection Technology (Intel® IPT) | ✗ |
| Processor boost frequency | 3.2 GHz | Intel® Turbo Boost Technology | 2.0 |
| Processor cache | 30 MB | Intel Flex Memory Access | ✗ |
| Processor cache type | Smart Cache | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Thermal Design Power (TDP) | 115 W | Enhanced Intel SpeedStep Technology | ✓ |
| Cooler included * | ✗ | Intel Trusted Execution Technology | ✓ |
| VID Voltage Range | 0.65 - 1.3 V | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Stepping | C1 | Intel Demand Based Switching | ✓ |
| Bus type | QPI | Intel® Secure Key | ✓ |
| Number of QPI links | 2 | Intel TSX-NI | ✗ |
| Memory bandwidth supported by processor (max) | 59.7 GB/s | Intel® OS Guard | ✓ |
| Processor codename | Ivy Bridge EP | Intel 64 | ✓ |
| Memory | | Intel Virtualization Technology (VT-x) | ✓ |
| Maximum internal memory supported by processor | 768 GB | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Memory types supported by processor | DDR3-SDRAM | Intel® vPro™ Platform Eligibility | ✓ |
| Memory clock speeds supported by processor | 800,1066,1333,1600,1866 MHz | Operational conditions | |
| Memory channels * | Quad-channel | Tcase | 81 °C |
| ECC | ✓ | Other features | |
| Graphics | | Compatibility | PowerEdge M620 PowerEdge M620v |
| On-board graphics card * | ✗ | | |
| Features | | | |
| Execute Disable Bit | ✓ | | |
| Idle States | ✓ | | |
| Thermal Monitoring Technologies | ✓ | | |

Features

Market segment

Server

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