# DELL PowerEdge T420 server 600 GB Tower (5U) Intel® Xeon® E5 V2 Family E5-2407V2 2,4 GHz 8 GB DDR3-SDRAM 750 W

**Brand :** DELL          **Product family:** PowerEdge          **Product code:** T420-7526

**Product name :** T420

Intel Xeon E5-2407 v2 (2.4 GHz), 8GB DDR3 RAM, 2x 300GB SAS 10k 2.5", 8x3.5" HotPlug, Gigabit Ethernet, 750W, Tower 5U
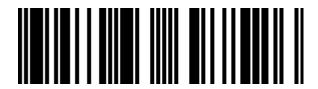DELL PowerEdge T420. Processor type: Intel® Xeon® E5 V2 Family, Processor frequency: 2,4 GHz, Processor: E5-2407V2. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM, Memory layout (slots x size): 1 x 8 GB. Total storage capacity: 600 GB, Hard drive size: 2.5", Hard drive interface: Serial Attached SCSI (SAS). Ethernet LAN connection, Cabling technology: 10/100/1000Base-T(X). Power supply: 750 W, Redundant power supply. Form factor: Tower (5U)

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor type * | Intel® Xeon® E5 V2 Family |
| Processor * | E5-2407V2 |
| Processor frequency * | 2,4 GHz |
| Processor boost frequency | 2,4 GHz |
| Processor number of cores | 4 |
| Processor cache | 10 MB |
| Chipset | Intel® C602 |
| Memory channels supported by processor | Triple |
| Number of processors | 1 |
| Thermal Design Power (TDP) | 80 W |
| Processor cache type | Smart Cache |
| System bus data transfer rate | 6,4 GT/s |
| Processor socket | LGA 1356 (Socket B2) |
| Processor lithography | 22 nm |
| Processor threads | 4 |
| Processor operating modes | 64-bit |
| Stepping | S1 |
| FSB Parity | ✗ |
| Bus type | QPI |
| Number of QPI links | 1 |
| Processor codename | Ivy Bridge EN |
| Tcase | 76 °C |
| Maximum internal memory supported by processor | 384 GB |
| Memory types supported by processor | DDR3-SDRAM |
| Memory clock speeds supported by processor | 800,1066,1333 MHz |
| Memory bandwidth supported by processor (max) | 32 GB/s |
| ECC supported by processor | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |

## Ports & interfaces

| | |
|---|---|
| Ethernet LAN (RJ-45) ports * | 2 |
| USB 2.0 ports quantity | 8 |
| Serial ports quantity | 1 |

## Expansion slots

| | |
|---|---|
| PCI Express x8 (Gen 2.x) slots | 2 |
| PCI Express x8 (Gen 3.x) slots | 2 |
| PCI Express x16 (Gen 3.x) slots | 2 |
| PCI Express slots version | 3.0 |

## Design

| | |
|---|---|
| Form factor * | Tower (5U) |
| Rack mounting | ✔ |
| Redundant fans support | ✔ |
| Rack rails | ✔ |

## Performance

| | |
|---|---|
| Trusted Platform Module (TPM) | ✔ |

## Software

| | |
|---|---|
| Operating system software * | ✗ |
| Compatible operating systems * | Windows Server 2012 Windows Server 2008 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux |

## Processor special features

| | |
|---|---|
| CPU configuration (max) | 2 |
| Intel Rapid Storage Technology | ✗ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel Identity Protection Technology | ✗ |
| Intel Wireless Display (WiDi) Technology | ✗ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Anti-Theft Technology | ✗ |
| Intel Hyper-Threading Technology | ✗ |

## Processor

| | |
|---|---|
| Thermal Monitoring Technologies | ✔ |
| Maximum number of PCI Express lanes | 24 |
| PCI Express configurations | x4, x8, x16 |
| Processor package size | 45 x 42.5 mm |
| Supported instruction sets | AVX |
| Processor code | SR1AK |
| Scalability | 2S |
| Physical Address Extension (PAE) | ✔ |
| Physical Address Extension (PAE) | 46 bit |
| Embedded options available | ✘ |
| Processor series | Intel Xeon E5-2400 v2 |
| Conflict-Free processor | ✘ |
| Intelligent Platform Management Interface (IPMI) support | ✔ |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type * | DDR3-SDRAM |
| Memory slots | 12x DIMM |
| ECC | ✔ |
| Memory speed | 1600 MHz |
| Memory layout (slots x size) | 1 x 8 GB |
| Maximum memory * | 384 GB |

## Storage

| | |
|---|---|
| Maximum storage capacity * | 32 TB |
| Total storage capacity * | 600 GB |
| Number of HDDs installed | 2 |
| Hard drive capacity | 300 GB |
| Hard drive interface | Serial Attached SCSI (SAS) |
| Hard drive rotational speed | 10000 RPM |
| Hard drive size | 2.5" |
| Included hard drives | 8 |
| Supported HDD sizes | 2.5,3.5" |
| RAID support * | ✔ |
| RAID levels | 0, 1, 5, 10, 50 |
| Hot-Plug support | ✔ |
| Supported storage drive interfaces | SATA |

## Network

| | |
|---|---|
| Ethernet LAN connection | ✔ |
| Cabling technology | 10/100/1000Base-T(X) |
| Ethernet interface type | Gigabit Ethernet |

## Processor special features

| | |
|---|---|
| Intel My WiFi Technology | ✘ |
| Intel Turbo Boost Technology | ✘ |
| Intel® Quick Sync Video Technology | ✘ |
| Intel® InTru™ 3D Technology | ✘ |
| Intel Clear Video HD Technology | ✘ |
| Intel® Insider™ | ✘ |
| Intel Flex Memory Access | ✘ |
| Intel Smart Cache | ✔ |
| Intel AES New Instructions | ✔ |
| Intel Trusted Execution Technology | ✔ |
| Intel Enhanced Halt State | ✔ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel Demand Based Switching | ✔ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✘ |
| Intel® OS Guard | ✔ |
| Intel Clear Video Technology | ✘ |
| Intel Clear Video Technology for MID | ✘ |
| Intel 64 | ✔ |
| Intel Identity Protection Technology version | 0,00 |
| Intel Secure Key Technology version | 1,00 |
| Intel Virtualization Technology (VT-x) | ✔ |
| Intel TSX-NI version | 0,00 |
| Intel Dual Display Capable Technology | ✘ |
| Intel FDI Technology | ✘ |
| Intel Fast Memory Access | ✘ |
| Processor ARK ID | 75782 |

## Power

| | |
|---|---|
| Redundant power supply * | ✔ |
| Power supply * | 750 W |

## Sustainability

| | |
|---|---|
| Sustainability certificates | ENERGY STAR |

## Other features

| | |
|---|---|
| Intel Virtualization Technology | VT-d, VT-x |

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