



DELL PowerEdge T430 server 300 GB Tower Intel® Xeon® E5 v4 E5-2620V4 2.1 GHz 8 GB DDR4-SDRAM

Brand : DELL

Product family: PowerEdge

Product code: H74J2

Product name : T430

Intel Xeon E5-2620 v4 (20M Cache, 2.1GHz), 8GB DDR4 2133MHz, 300GB HDD, Gigabit Ethernet
DELL PowerEdge T430. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2.1 GHz, Processor model: E5-2620V4. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 300 GB, HDD size: 2.5". Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Chassis type: Tower



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 2.0 ports quantity	6
Processor family *	Intel® Xeon® E5 v4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
Processor model *	E5-2620V4	VGA (D-Sub) ports quantity	1
Processor frequency *	2.1 GHz	Serial ports quantity	1
Processor boost frequency	3 GHz	Expansion slots	
Processor cores	8	PCI Express x1 (Gen 2.x) slots	1
Processor cache	20 MB	PCI Express x8 (Gen 3.x) slots	2
Motherboard chipset	Intel C610	PCI Express x16 (Gen 3.x) slots	2
Memory channels supported by processor	Quad	PCI Express slots version	3.0
Number of processors installed	1	Design	
Thermal Design Power (TDP)	85 W	Chassis type *	Tower
Processor cache type	Smart Cache	Performance	
System bus rate	8 GT/s	Trusted Platform Module (TPM)	✓
Processor socket	LGA 2011-v3	Trusted Platform Module (TPM) version	1.2
Processor lithography	14 nm	Software	
Processor threads	16	Operating system installed *	✗
Processor operating modes	64-bit	Compatible operating systems *	Microsoft Windows Server 2008 R2 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Microsoft Windows HPC Server 2008 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux VMware ESX
Stepping	R0	Processor special features	
Bus type	QPI	CPU configuration (max)	2
Number of QPI links	2	Enhanced Intel SpeedStep Technology	✓
Processor codename	Broadwell	Intel® Identity Protection Technology (Intel® IPT)	✗
Tcase	74 °C	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory supported by processor	1.54 TB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	1600,1866,2133 MHz		
Memory bandwidth supported by processor (max)	68.3 GB/s		
ECC supported by processor	✓		
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

Processor		Processor special features	
Maximum number of PCI Express lanes	40	Intel® Turbo Boost Technology	2.0
Processor package size	45 x 52.5 mm	Intel Flex Memory Access	✗
Supported instruction sets	AVX 2.0	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor code	SR2R6	Intel Trusted Execution Technology	✓
Scalability	2S	Intel Enhanced Halt State	✓
Physical Address Extension (PAE)	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Physical Address Extension (PAE)	46 bit	Intel Demand Based Switching	✓
Embedded options available	✓	Intel® Secure Key	✓
Processor series	Intel Xeon E5-2600 v4	Intel TSX-NI	✓
Conflict-Free processor	✓	Intel® OS Guard	✓
Memory		Intel 64	✓
Internal memory *	8 GB	Intel Identity Protection Technology version	0.00
Internal memory type *	DDR4-SDRAM	Intel Secure Key Technology version	1.00
Memory slots	12	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Intel TSX-NI version	1.00
Memory clock speed	2133 MHz	Processor ARK ID	92986
Maximum internal memory *	384 GB	Power	
Storage		Power supply input frequency	50 - 60 Hz
Total storage capacity *	300 GB	Operational conditions	
Number of HDDs installed	1	Operating temperature (T-T)	10 - 35 °C
HDD capacity	300 GB	Storage temperature (T-T)	-40 - 65 °C
HDD size	2.5"	Operating relative humidity (H-H)	10 - 80%
Hot-swap	✓	Storage relative humidity (H-H)	5 - 95%
Graphics		Operating altitude	0 - 3048 m
On-board graphics card	✓	Non-operating altitude	0 - 12000 m
On-board graphics card model	Matrox G200	Weight & dimensions	
Maximum graphics card memory	16 MB	Width	304.5 mm
Network		Depth	558.6 mm
Ethernet LAN	✓	Height	443.3 mm
Cabling technology	10/100/1000Base-T(X)		
Ethernet interface type	Gigabit Ethernet		
Ports & interfaces			
Ethernet LAN (RJ-45) ports *	2		



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