



## DELL Precision T1700 Intel® Xeon® E3 V3 Family E3-1241V3 16 GB DDR3-SDRAM 256 GB SSD NVIDIA® Quadro® K2200 Windows 7 Professional Mini Tower Workstation Black

Brand : DELL

Product family: Precision

Article code: 1700-4357

Product name : T1700

Intel Xeon E3-1241 v3 (8M Cache, 3.50 GHz), 16GB DDR3 1600MHz, 256GB SSD, nVidia Quadro K2200 4GB, DVD+/-RW, Gigabit Ethernet, Windows 7 Professional 64-bit / Windows 8.1  
DELL Precision T1700. Processor frequency: 3.5 GHz, Processor family: Intel® Xeon® E3 V3 Family, Processor model: E3-1241V3. Internal memory: 16 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD±RW. Discrete graphics card model: NVIDIA® Quadro® K2200. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 365 W. Chassis type: Mini Tower. Product type: Workstation



Processor		Performance	
Processor manufacturer *	Intel	Product type *	Workstation
Processor family *	Intel® Xeon® E3 V3 Family	Software	
Processor model *	E3-1241V3	Operating system architecture	64-bit
Processor cores	4	Recovery operating system	Windows 8.1
Processor threads	8	Operating system installed *	Windows 7 Professional
Processor boost frequency	3.9 GHz	Processor special features	
Processor frequency *	3.5 GHz	Intel® Small Business Advantage (Intel® SBA)	✗
Processor socket	LGA 1150 (Socket H3)	Intel® Wireless Display (Intel® WiDi)	✗
Processor cache	8 MB	Intel 64	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
System bus rate	5 GT/s	Embedded options available	✗
Bus type	DMI2	Intel® InTru™ 3D Technology	✗
FSB Parity	✗	Intel® Insider™	✗
Processor lithography	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor operating modes	32-bit, 64-bit	Intel Clear Video Technology	✗
Processor series	Intel Xeon E3-1200 v3	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Haswell	Intel TSX-NI	✓
Thermal Design Power (TDP)	80 W	Idle States	✓
PCI Express slots version	3.0		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x8, 2x8, 1x8+2x4		
Number of processors installed	1		
Stepping	C0		

Processor		Processor special features	
Maximum internal memory supported by processor	32 GB	Thermal Monitoring Technologies	✓
Memory types supported by processor	DDR3-SDRAM	Intel Stable Image Platform Program (SIPP)	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® Secure Key	✓
ECC supported by processor	✓	Intel® OS Guard	✓
Memory		Intel Trusted Execution Technology	✓
Internal memory *	16 GB	Execute Disable Bit	✓
Maximum internal memory *	32 GB	Intel FDI Technology	✗
Internal memory type	DDR3-SDRAM	Intel Flex Memory Access	✓
Memory layout (slots x size)	4 x 4 GB	Intel Fast Memory Access	✓
Memory slots	4x DIMM	Intel® Smart Cache	✓
Memory clock speed	1600 MHz	Intel Enhanced Halt State	✓
Memory channels	Dual-channel	Intel Demand Based Switching	✗
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Total storage capacity *	256 GB	Processor package size	37.5 x 37.5 mm
Storage media *	SSD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Optical drive type *	DVD±RW	Scalability	1S
Number of SSDs installed	1	CPU configuration (max)	1
SSD capacity	256 GB	Graphics & IMC lithography	22 nm
RAID support	✓	Thermal solution specification	PCG 2013D
RAID levels	0, 1, 5, 10	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1.00
On-board graphics card *	✗	Intel Stable Image Platform Program (SIPP) version	1.00
Discrete graphics card model *	NVIDIA® Quadro® K2200	Intel Secure Key Technology version	1.00
Discrete graphics card memory	4 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Not available	Intel TSX-NI version	1.00
On-board graphics card base frequency	350 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Intel I/O Acceleration Technology	✓
Maximum on-board graphics card memory	1.74 GB	Intel Rapid Storage Technology	✗
Number of displays supported (on-board graphics)	3	Processor ARK ID	80909
On-board graphics card DirectX version	11.2	Intel® Smart Response Technology	✗
Number of execution units	20	Intel® Rapid Start Technology	✗
Network		Intel® Turbo Boost Technology	2.0
Ethernet LAN *	✓	Intel Smart Connect Technology	✗
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Cabling technology	10/100/1000Base-T(X)	Intel® Quick Sync Video Technology	✗
Wi-Fi *	✗	Intel® My WiFi Technology (Intel® MWT)	✗
Wake-on-LAN ready	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Ports & interfaces		Intel® Anti-Theft Technology (Intel® AT)	✓
USB 2.0 ports quantity *	6	Conflict-Free processor	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Power	
VGA (D-Sub) ports quantity	1	Power supply *	365 W
DVI port	✗	Certificates	
DisplayPorts quantity	1	Certification	CECP, GS
PS/2 ports quantity	2	Sustainability	
Ethernet LAN (RJ-45) ports	1	Sustainability certificates	ENERGY STAR
Microphone in	✓		
Headphone outputs	1		
Line-out	✓		

Ports & interfaces		Weight & dimensions	
Line-in	✓	Width *	6.89" (175 mm)
Serial ports quantity	1	Depth *	17.1" (435 mm)
Expansion slots		Height *	14.2" (360 mm)
PCI Express x1 slots	1	Packaging content	
PCI Express x16 (Gen 2.x) slots	1	Mouse included	✗
PCI Express x16 (Gen 3.x) slots	1	Keyboard included	✗
PCI slots	1	Manual	✓
Design		Display	
Chassis type *	Mini Tower	Display included *	✗
Placement supported	Vertical	Other features	
Water cooling system	✗	Optical drives quantity	1
Number of 3.5" bays	2	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Number of 5.25" bays	2		
Cable lock slot	✓		
Cable lock slot type	Kensington		
Product color *	Black		
Performance			
Motherboard chipset	Intel® C226		
Audio system	HD		
Password protection	✓		

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