DELL

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	
Processor manufacturer *	Intel
Processor family *	Intel® Xeon® E3 V3 Family
Processor model *	E3-1241V3
Processor cores	4
Processor threads	8
Processor boost frequency	3.9 GHz
Processor frequency *	3.5 GHz
Processor socket	LGA 1150 (Socket H3)
Processor cache	8 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Bus type	DMI2
FSB Parity	✘
Processor lithography	22 nm
Processor operating modes	32-bit, 64-bit
Processor series	Intel Xeon E3-1200 v3
Processor codename	Haswell
Thermal Design Power (TDP)	80 W
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

Performance	
Product type *	Workstation

Software	
Operating system architecture	64-bit
Recovery operating system	Windows 8.1
Operating system installed *	Windows 7 Professional

Processor special features	
Intel® Small Business Advantage (Intel® SBA)	✘
Intel® Wireless Display (Intel® WiDi)	✘
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel® InTru™ 3D Technology	✘
Intel® Insider™	✘
Intel® Clear Video HD Technology (Intel® CVT HD)	✘
Intel Clear Video Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✔
Idle States	✔

Processor

Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25.6 GB/s
ECC supported by processor	✔

Memory

Internal memory *	16 GB
Maximum internal memory *	32 GB
Internal memory type	DDR3-SDRAM
Memory layout (slots x size)	4 x 4 GB
Memory slots	4x DIMM
Memory clock speed	1600 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Optical drive type *	DVD±RW
Number of SSDs installed	1
SSD capacity	256 GB
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics

On-board graphics card *	✗
Discrete graphics card model *	NVIDIA® Quadro® K2200
Discrete graphics card memory	4 GB
On-board graphics card model *	Not available
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
Maximum on-board graphics card memory	1.74 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	11.2
Number of execution units	20

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✗
Wake-on-LAN ready	✔

Ports & interfaces

USB 2.0 ports quantity *	6
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
VGA (D-Sub) ports quantity	1
DVI port	✗
DisplayPorts quantity	1
PS/2 ports quantity	2
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔

Processor special features

Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel FDI Technology	✗
Intel Flex Memory Access	✔
Intel Fast Memory Access	✔
Intel® Smart Cache	✔
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✗
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Scalability	1S
CPU configuration (max)	1
Graphics & IMC lithography	22 nm
Thermal solution specification	PCG 2013D
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel TSX-NI version	1.00
Intel Dual Display Capable Technology	✗
Intel I/O Acceleration Technology	✔
Intel Rapid Storage Technology	✗
Processor ARK ID	80909
Intel® Smart Response Technology	✗
Intel® Rapid Start Technology	✗
Intel® Turbo Boost Technology	2.0
Intel Smart Connect Technology	✗
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✗
Intel® My WiFi Technology (Intel® MWT)	✗
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Conflict-Free processor	✗

Power

Power supply *	365 W

Certificates

Certification	CECP, GS

Sustainability

Sustainability certificates	ENERGY STAR

Ports & interfaces

Line-in	✔
Serial ports quantity	1

Expansion slots

PCI Express x1 slots	1
PCI Express x16 (Gen 2.x) slots	1
PCI Express x16 (Gen 3.x) slots	1
PCI slots	1

Design

Chassis type *	Mini Tower
Placement supported	Vertical
Water cooling system	✘
Number of 3.5" bays	2
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	✔

Weight & dimensions

Width *	6.89" (175 mm)
Depth *	17.1" (435 mm)
Height *	14.2" (360 mm)

Packaging content

Mouse included	✘
Keyboard included	✘
Manual	✔

Display

Display included *	✘

Other features

Optical drives quantity	1
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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