



DELL Precision 3640 Intel® Core™ i7 i7-10700K 16 GB DDR4-SDRAM 512 GB SSD NVIDIA Quadro P2200 Ubuntu Linux Tower Workstation Black

Brand : DELL

Product family: Precision

Product code:
N019P3640MTCEE2_UBU

Product name : 3640

DELL Precision 3640. Processor frequency: 3,8 GHz, Processor family: Intel® Core™ i7, Processor model: i7-10700K. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2933 MHz. Total storage capacity: 512 GB, Storage media: SSD, Optical drive type: DVD-RW. On-board graphics card model: Intel® UHD Graphics 630, Discrete graphics card model: NVIDIA Quadro P2200. Operating system installed: Ubuntu Linux. Chassis type: Tower. Product type: Workstation. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Line-out	✓
Processor family *	Intel® Core™ i7	Combo headphone/mic port	✓
Processor generation	10th gen Intel® Core™ i7	Design	
Processor model *	i7-10700K	Chassis type *	Tower
Processor cores	8	Placement supported	Vertical
Processor threads	16	Cable lock slot	✓
Processor boost frequency	5,1 GHz	Cable lock slot type	Kensington
Processor frequency *	3,8 GHz	Product colour *	Black
Processor socket	LGA 1200 (Socket H5)	Performance	
Processor cache	16 MB	Motherboard chipset	Intel W480
Processor cache type	Smart Cache	Audio chip	Realtek ALC3246
System bus rate	8 GT/s	Audio system	High Definition Audio
Processor lithography	14 nm	Product type *	Workstation
Processor operating modes	64-bit	Software	
Processor codename	Comet Lake	Operating system installed *	Ubuntu Linux
Thermal Design Power (TDP)	125 W	Processor special features	
Configurable TDP-down	95 W	Intel 64	✓
Configurable TDP-down frequency	3,5 GHz	Enhanced Intel SpeedStep Technology	✓
Tjunction	100 °C	Embedded options available	✗
PCI Express slots version	3.0	Intel® InTru™ 3D Technology	✓
Maximum number of PCI Express lanes	16	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Clear Video Technology	✓
Number of processors installed	1	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory supported by processor	128 GB	Idle States	✓
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	2933 MHz		

Processor		Processor special features	
Memory bandwidth supported by processor (max)	45,8 GB/s	Thermal Monitoring Technologies	✓
Memory		Intel Stable Image Platform Program (SIPP)	✓
Internal memory *	16 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory *	128 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory layout (slots x size)	2 x 8 GB	Intel Trusted Execution Technology	✓
Memory slots	4x DIMM	Execute Disable Bit	✓
Memory clock speed	2933 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Storage		Processor package size	37.5 x 37.5 mm
Total storage capacity *	512 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Storage media *	SSD	Scalability	1S
Optical drive type *	DVD-RW	CPU configuration (max)	1
Total SSDs capacity	512 GB	Thermal solution specification	PCG 2015D
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	512 GB	Intel Virtualization Technology (VT-x)	✓
SSD interface	PCI Express	Processor ARK ID	199335
SSD form factor	M.2	Intel® Turbo Boost Technology	2.0
Graphics		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Discrete graphics card *	✓	Intel® Quick Sync Video Technology	✓
On-board graphics card *	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Discrete graphics card model *	NVIDIA Quadro P2200	Operational conditions	
Discrete graphics card memory	5 GB	Operating temperature (T-T)	0 - 35 °C
Discrete graphics memory type	GDDR5X	Storage temperature (T-T)	-40 - 65 °C
On-board GPU manufacturer	Intel	Operating relative humidity (H-H)	10 - 80%
On-board graphics card model *	Intel® UHD Graphics 630	Storage relative humidity (H-H)	10 - 95%
On-board graphics card base frequency	350 MHz	Operating altitude	-15,2 - 3048 m
On-board graphics card dynamic frequency (max)	1200 MHz	Non-operating altitude	-15,2 - 10668 m
Maximum on-board graphics card memory	64 GB	Operating vibration	0,26 G
Number of displays supported (on-board graphics)	3	Non-operating vibration	1,37 G
On-board graphics card DirectX version	12.0	Operating shock	40 G
On-board graphics card OpenGL version	4.5	Non-operating shock	105 G
On-board graphics card ID	0x9BC5	Weight & dimensions	
Network		Width *	176,6 mm
Ethernet LAN *	✓	Depth *	345 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height *	335 mm
Cabling technology	10/100/1000Base-T(X)	Weight *	10,6 kg
Ports & interfaces		Packaging content	
DVI port	✗	Mouse included on selected markets only	✓
DisplayPorts quantity	2	Keyboard included on selected markets only	✓
DisplayPort version	1.4	Cables included	AC
PS/2 ports quantity	2	Display	
Ethernet LAN (RJ-45) ports	1	Display included *	✗
Microphone in	✗		
Headphone outputs	1		

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