



DELL Precision 3680 Intel® Core™ i7 i7-14700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA T1000 Windows 11 Pro Tower Workstation Black

Brand : DELL

Product family: Precision

Article code:
N004PT3680MTEMEA_VP

Product name : 3680

DELL Precision 3680. Processor family: Intel® Core™ i7, Processor model: i7-14700. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770, Discrete graphics card model: NVIDIA T1000. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 500 W. Chassis type: Tower. Product type: Workstation. Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports	1
Processor family *	Intel® Core™ i7	Line-out	✓
Processor generation	Intel® Core™ i7 (14th gen)	Combo headphone/mic port	✓
Processor model *	i7-14700	Number of rear USB ports	6
Processor cores	20	Number of front USB ports	4
Processor threads	28		
Processor boost frequency	5,4 GHz		
Performance cores	8		
Efficient cores	12		
Performance-core Max Turbo Frequency	5,3 GHz		
Efficient-core Max Turbo Frequency	4,2 GHz		
Performance-core base frequency	2,1 GHz		
Efficient-core base frequency	1,5 GHz		
Processor cache	33 MB		
Processor cache type	Smart Cache		
Number of processors installed	1		
Processor base power	65 W		
Maximum turbo power	219 W		
Memory		Design	
Internal memory *	16 GB	Chassis type *	Tower
Maximum internal memory *	128 GB	Placement supported	Vertical
Internal memory type	DDR5-SDRAM	Water cooling system	✗
Memory layout (slots x size)	2 x 8 GB	Cable lock slot	✓
Memory slots	4x DIMM	Cable lock slot type	Kensington
Non-ECC	✓	Product color *	Black
Memory data transfer rate	4400 MT/s	Viewing window	✗
		Performance	
		Market positioning	Business
		Motherboard chipset	Intel W680
		Audio chip	Realtek ALC3246-CG
		Audio system	High Definition Audio
		Built-in speaker(s)	✓
		Number of speakers	1
		Password protection	✓
		Trusted Platform Module (TPM)	✓
		Product type *	Workstation
		Trusted Platform Module (TPM) version	2.0
		Software	
		Operating system architecture	64-bit

Storage		Software	
Total storage capacity *	512 GB	Operating system installed *	Windows 11 Pro
Storage media *	SSD	Trial software	Microsoft Office Trial, McAfee Business Protection 1-year
Optical drive type *	✗		
Total SSDs capacity	512 GB		
Number of SSDs installed	1		
SSD capacity	512 GB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Graphics		Power	
Discrete graphics card *	✓	Power supply *	500 W
On-board graphics card *	✓	Power supply input voltage	90 - 264 V
Discrete graphics card model *	NVIDIA T1000	Power supply input frequency	47/63 Hz
Discrete graphics card memory	8 GB	80 PLUS certification	80 PLUS Platinum
Discrete graphics memory type	GDDR6		
On-board GPU manufacturer	Intel		
On-board graphics card family	Intel® UHD Graphics		
On-board graphics card model *	Intel UHD Graphics 770		
Network		Operational conditions	
Ethernet LAN *	✓	Operating temperature (T-T)	10 - 35 °C
Ethernet LAN data rates	10,100,1000 Mbit/s	Storage temperature (T-T)	-40 - 65 °C
Cabling technology	10/100/1000Base-T(X)	Operating relative humidity (H-H)	20 - 85%
LAN controller	Intel® I219-LM	Storage relative humidity (H-H)	0 - 95%
Wi-Fi *	✗	Operating altitude	-15,2 - 3048 m
		Non-operating altitude	-15,2 - 10668 m
		Operating vibration	0,52 G
		Non-operating vibration	2 G
		Operating shock	40 G
		Non-operating shock	105 G
		Sustainability	
		Sustainability compliance	✓
		Sustainability certificates	ENERGY STAR, EPEAT Gold
		Weight & dimensions	
		Width *	173 mm
		Depth *	420,2 mm
		Height *	372,9 mm
		Packaging content	
		Cables included	AC
		Carbon footprint	
		Total carbon footprint (kg of CO2e)	406
		Carbon emissions, manufacturing (kg of CO2e)	180,264
		Carbon emissions, logistics (kg of CO2e)	17,864
		Carbon emissions, energy usage (kg of CO2e)	193,256
		Carbon emissions, end-of-life (kg of CO2e)	15,022
		Total carbon emissions, w/o use phase (kg of CO2e)	212,744
		PAIA version	GaBi version 1, 2024
		Display	
		Display included *	✗

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