

## DELL Precision 3680 Intel® Core™ i7 i7-14700 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Windows 11 Pro Tower Workstation Black

Brand : DELL Product family: Precision Product code: 0XRTK

Product name: 3680

- Windows 11 Pro 64-bit
- Intel Core i7-14700 (33MB Cache)
- NVIDIA RTX 2000 Ada (16GB GDDR6)
- 32GB DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core i7-14700 (33MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, Intel UHD Graphics 770, NVIDIA RTX 2000 Ada (16GB GDDR6), LAN, Windows 11 Pro 64-bit

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## Exceptionally scalable performance in an entry tower design

The new 3680 Tower is Dell's fastest workstation for single-threaded tasks, featuring new 14th Gen Intel® Core™ processors with Unlimited Turbo Duration.

DELL Precision 3680. Processor family: Intel® Core™ i7, Processor model: i7-14700. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 500 W. Chassis type: Tower. Product type: Workstation. Product colour: Black





Processor		Ports & interfaces	
Processor manufacturer * Processor family *	Intel Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	3
Processor generation Processor model *	Intel® Core™ i7 (14th gen)	USB 3.2 Gen 2x2 Type-C ports quantity	1
Processor model * Processor cores Processor threads Processor boost frequency Performance cores Efficient cores Performance-core Max Turbo Frequency	20 28 5.4 GHz 8 12 5.3 GHz	PowerShare Number of USB ports with PowerShare support DisplayPorts quantity DisplayPort version Ethernet LAN (RJ-45) ports Line-out	✓ 2 2 1.4a 1
Efficient-core Max Turbo Frequency Performance-core base frequency Efficient-core base frequency Processor cache	4.2 GHz 2.1 GHz 1.5 GHz 33 MB	Combo headphone/mic port Number of rear USB ports Number of front USB ports  Design	<b>6</b> 4
Processor cache type Number of processors installed Processor base power Maximum turbo power	Smart Cache  1  65 W  219 W	Chassis type * Placement supported Water cooling system Cable lock slot	Tower Vertical
Memory Internal memory * Maximum internal memory * Internal memory type	32 GB 128 GB DDR5-SDRAM	Cable lock slot type Product colour * Viewing window Intel® vPro™ Platform Eligibility	Kensington Black ×
Memory layout (slots x size)	2 x 16 GB	Performance	
Memory slots Non-ECC Memory data transfer rate	4x DIMM ✓ 4400 MT/s	Market positioning Motherboard chipset Audio chip	Business Intel W680 Realtek ALC3246-CG
Storage Total storage capacity * Storage media * Optical drive type * Total SSDs capacity	1 TB SSD X 1 TB	Audio system Built-in speaker(s) Number of speakers Password protection Trusted Platform Module (TPM)	High Definition Audio  ✓ 1  ✓

Storage		Performance	
Number of SSDs installed SSD capacity	1 1 TB	Trusted Platform Module (TPM) version	2.0
SSD interface	PCI Express 4.0	Product type *	Workstation
	M.2 2280 (22 x 80 mm)	Software	
		Operating system installed * Operating system architecture	Windows 11 Pro 64-bit
Graphics Discrete graphics card * On-board graphics card * Discrete graphics card model *	✓ ✓ NVIDIA RTX 2000 Ada	Operating system language	German, Dutch, English, French, Italian
		Power	
		Power supply *	500 W
Discrete graphics card memory	16 GB	Power supply input voltage	90 - 264 V
Discrete graphics memory type Number of discrete graphics cards On-board GPU manufacturer On-board graphics card family On-board graphics card model *	GDDR6  1 Intel Intel® UHD Graphics Intel UHD Graphics 770	Power supply input frequency	47/63 Hz
		80 PLUS certification	80 PLUS Platinum
		Operational conditions	
		Operating temperature (T-T) Storage temperature (T-T)	10 - 35 °C -40 - 65 °C
Network		Operating relative humidity (H-H)	20 - 85%
Ethernet LAN *	<b>✓</b>	Storage relative humidity (H-H)	0 - 95%
Ethernet LAN data rates	10,100,1000 Mbit/s	Operating altitude	-15.2 - 3048 m
Cabling technology	10/100/1000Base-T(X)	Non-operating altitude	-15.2 - 10668 m
LAN controller	Intel® I219-LM	Operating vibration	0.52 G
Wi-Fi *	×	Non-operating vibration	2 G
Ports & interfaces		Operating shock	40 G
USB 2.0 ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-A	2	Non-operating shock	105 G
		Weight & dimensions	
ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A		Width *	173 mm
ports quantity *	2	Depth *	420.2 mm
		Height *	372.9 mm
		Packaging content	
		Display included *	×
		Mouse included on selected markets	•
		Keyboard included on selected markets	Dell Multimedia Keyboard-KB216 - UK (QWERTY) - Black
		Cables included	AC



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