



DELL Precision 3680 Intel® Core™ i7 i7-14700K 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Tower Workstation Black

Brand : DELL

Product family: Precision

Product code: R7X8R

Product name : 3680

- Windows 11 Pro 64-bit
 - Intel Core i7-14700K (33MB Cache)
 - 32GB DDR5-SDRAM (2 x 16) & 1000GB SSD
- Intel Core i7-14700K (33MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, Intel UHD Graphics 770, LAN, Windows 11 Pro 64-bit

[DELL Precision 3680 Intel® Core™ i7 i7-14700K 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Tower Workstation Black:](#)

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: i7-14700K. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD, Card reader integrated. On-board graphics card model: Intel UHD Graphics 770. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 1000 W. Chassis type: Tower. Product type: Workstation. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Number of USB ports with PowerShare support	2
Processor family *	Intel® Core™ i7	DisplayPorts quantity	2
Processor generation	Intel® Core™ i7 (14th gen)	DisplayPort version	1.4a
Processor model *	i7-14700K	Ethernet LAN (RJ-45) ports	1
Processor cores	20	Line-out	✓
Processor threads	28	Combo headphone/mic port	✓
Processor boost frequency	5.6 GHz	Number of rear USB ports	6
Performance cores	8	Number of front USB ports	4
Efficient cores	12		
Performance-core Max Turbo Frequency	5.5 GHz	Design	
Efficient-core Max Turbo Frequency	4.3 GHz	Chassis type *	Tower
Performance-core base frequency	3.4 GHz	Placement supported	Vertical
Efficient-core base frequency	2.5 GHz	Water cooling system	✗
Processor cache	33 MB	Cable lock slot	✓
Processor cache type	Smart Cache	Cable lock slot type	Kensington
Number of processors installed	1	Product colour *	Black
Processor base power	125 W	Viewing window	✗
Maximum turbo power	253 W	Intel® vPro™ Platform Eligibility	✓
Memory		Performance	
Internal memory *	32 GB	Market positioning	Business
Maximum internal memory *	128 GB	Motherboard chipset	Intel W680
Internal memory type	DDR5-SDRAM	Audio chip	Realtek ALC3246-CG
Memory layout (slots x size)	2 x 16 GB	Audio system	High Definition Audio
Memory slots	4x DIMM	Built-in speaker(s)	✓
Non-ECC	✓	Number of speakers	1
Memory data transfer rate	4400 MT/s	Password protection	✓
		Trusted Platform Module (TPM)	✓
		Trusted Platform Module (TPM) version	2.0

Storage		Performance	
Total storage capacity *	1 TB	Product type *	Workstation
Storage media *	SSD	Software	
Optical drive type *	✗	Operating system installed *	Windows 11 Pro
Total SSDs capacity	1 TB	Operating system architecture	64-bit
Number of SSDs installed	1	Operating system language	German, Dutch, English, French, Italian
SSD capacity	1 TB	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
SSD interface	PCI Express 4.0	Power	
NVMe	✓	Power supply *	1000 W
SSD form factor	M.2	Power supply input voltage	90 - 264 V
M.2 SSD size	2280 (22 x 80 mm)	Power supply input frequency	47/63 Hz
Card reader integrated	✓	80 PLUS certification	80 PLUS Platinum
Compatible memory cards	SD	Operational conditions	
Graphics		Operating temperature (T-T)	10 - 35 °C
Discrete graphics card *	✗	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card *	✓	Operating relative humidity (H-H)	20 - 85%
Discrete graphics card model *	Not available	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer	Intel	Operating altitude	-15.2 - 3048 m
On-board graphics card family	Intel® UHD Graphics	Non-operating altitude	-15.2 - 10668 m
On-board graphics card model *	Intel UHD Graphics 770	Operating vibration	0.52 G
Network		Non-operating vibration	2 G
Ethernet LAN *	✓	Operating shock	40 G
Ethernet LAN data rates	10,100,1000 Mbit/s	Non-operating shock	105 G
Cabling technology	10/100/1000Base-T(X)	Sustainability	
LAN controller	Intel® I219-LM	Sustainability compliance	✓
Wi-Fi *	✗	Sustainability certificates	ENERGY STAR, EPEAT Gold
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Width *	173 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Depth *	420.2 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Height *	372.9 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	3	Packaging content	
USB 3.2 Gen 2x2 Type-C ports quantity	1	Display included *	✗
PowerShare	✓	Mouse included on selected markets	Dell Optical Mouse-MS116 - Black
		Keyboard included on selected markets	Dell Multimedia Keyboard-KB216 - UK (QWERTY) - Black
		Cables included	AC



5397184865262

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 25-OCT-2024. Prints or copies of Information are only valid on the printed Publication date