



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: JKH8T

Product name : 3680

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	USB 3.2 Gen 2x2 Type-C ports quantity	1
Processor family *	Intel® Core™ i7	PowerShare	✓
Processor generation	Intel® Core™ i7 (14th gen)	Number of USB ports with PowerShare support	2
Processor model *	i7-14700K	DisplayPorts quantity	2
Processor cores	20	DisplayPort version	1.4a
Processor threads	28	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.6 GHz	Line-out	✓
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	12	Number of rear USB ports	6
Performance-core Max Turbo Frequency	5.5 GHz	Number of front USB ports	4
Efficient-core Max Turbo Frequency	4.3 GHz		
Performance-core base frequency	3.4 GHz		
Efficient-core base frequency	2.5 GHz		
Processor cache	33 MB		
Processor cache type	Smart Cache		
Number of processors installed	1		
Processor base power	125 W		
Maximum turbo power	253 W		
Memory		Design	
Internal memory *	32 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 16 GB	Cable lock slot	✓
Memory slots	4x DIMM	Cable lock slot type	Kensington
Non-ECC	✓	Product colour *	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

Storage		Performance	
Total storage capacity *	1 TB	Password protection	✓
Storage media *	SSD	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Total SSDs capacity	1 TB	Product type *	Workstation
Number of SSDs installed	1	Software	
SSD capacity	1 TB	Operating system installed *	Windows 11 Pro
SSD interface	PCI Express 4.0	Operating system architecture	64-bit
NVMe	✓	Operating system language	Danish, English, Finnish, Norwegian, Swedish
SSD form factor	M.2	Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only
M.2 SSD size	2280 (22 x 80 mm)	Power	
Card reader integrated	✓	Power supply *	1000 W
Compatible memory cards	SD	Power supply input voltage	90 - 264 V
Graphics		Power supply input frequency	47/63 Hz
Discrete graphics card *	✗	80 PLUS certification	80 PLUS Platinum
On-board graphics card *	✓	Operational conditions	
Discrete graphics card model *	Not available	Operating temperature (T-T)	10 - 35 °C
On-board GPU manufacturer	Intel	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card family	Intel® UHD Graphics	Operating relative humidity (H-H)	20 - 85%
On-board graphics card model *	Intel UHD Graphics 770	Storage relative humidity (H-H)	0 - 95%
Network		Operating altitude	-15.2 - 3048 m
Ethernet LAN *	✓	Non-operating altitude	-15.2 - 10668 m
Ethernet LAN data rates	10,100,1000 Mbit/s	Operating vibration	0.52 G
Cabling technology	10/100/1000Base-T(X)	Non-operating vibration	2 G
LAN controller	Intel® I219-LM	Operating shock	40 G
Wi-Fi *	✗	Non-operating shock	105 G
Ports & interfaces		Sustainability	
USB 2.0 ports quantity *	2	Sustainability compliance	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Sustainability certificates	ENERGY STAR, EPEAT Gold
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	3	Width *	173 mm
		Depth *	420.2 mm
		Height *	372.9 mm
		Packaging content	
		Display included *	✗
		Cables included	AC



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