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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   **Product code:** GGNGH

Product name : 3680

- Windows 11 Pro 64-bit
- Intel Core i7-14700 (33MB Cache)
- NVIDIA T1000 (8GB GDDR6)
- 16GB DDR5-SDRAM (2 x 8) & 512GB SSD
Intel Core i7-14700 (33MB Cache), 16GB DDR5-SDRAM, 512GB SSD, Intel UHD Graphics 770, NVIDIA T1000 (8GB GDDR6), LAN, Windows 11 Pro 64-bit

DELL Precision 3680 Intel® Core™ i7 i7-14700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA T1000 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: i7-14700. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD, Card reader integrated. 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 colour: Black

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	Intel® Core™ i7 (14th gen)
Processor model *	i7-14700
Processor cores	20
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	
Internal memory *	16 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 8 GB
Memory slots	4x DIMM
Non-ECC	✔
Memory data transfer rate	4400 MT/s

Ports & interfaces	
USB 3.2 Gen 2x2 Type-C ports quantity	1
PowerShare	✔
Number of USB ports with PowerShare support	2
DisplayPorts quantity	2
DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1
Line-out	✔
Combo headphone/mic port	✔
Number of rear USB ports	6
Number of front USB ports	4

Design	
Chassis type *	Tower
Placement supported	Vertical
Water cooling system	✘
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black
Viewing window	✘
Intel® vPro™ Platform Eligibility	✔

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	✔

Storage

Total storage capacity *	512 GB
Storage media *	SSD
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
M.2 SSD size	2280 (22 x 80 mm)
Card reader integrated	✔
Compatible memory cards	SD

Graphics

Discrete graphics card *	✔
On-board graphics card *	✔
Discrete graphics card model *	NVIDIA T1000
Discrete graphics card memory	8 GB
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
Graphics card Mini DisplayPort ports quantity	4

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
LAN controller	Intel® I219-LM
Wi-Fi *	✖

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	3

Performance

Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Product type *	Workstation

Software

Operating system installed *	Windows 11 Pro
Operating system architecture	64-bit
Operating system language	German, Dutch, English, French, Italian
Trial software	Activate Your Microsoft 365 For A 30 Day Trial

Power

Power supply *	500 W
Power supply input voltage	90 - 264 V
Power supply input frequency	47/63 Hz
80 PLUS certification	80 PLUS Platinum

Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	20 - 85%
Storage relative humidity (H-H)	0 - 95%
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

Display included *	✖
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

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