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

Brand : DELL

Product family: Precision

Product code: N008PT3680MTEMEA_VP

Product name : 3680

DELL Precision 3680. Protsessori perekond: Intel® Core™ i7, Protsessori mudel: i7-14700. Sisemälu: 32 GB, Sisemälu tüüp: DDR5-SDRAM, Mälu taktsagedus: 4400 MHz. Salvestusmaht kokku: 1 TB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel UHD Graphics 770, Eraldiseisva graafika adapteri mudel: NVIDIA RTX 2000 Ada. Installitud operatsioonisüsteem: Windows 11 Pro, Operatsioonisüsteemi arhitektuur: 64-bit. Toiteallikas: 500 W. Keretüüp: Tower. Toote tüüp: Tööjaam. Toote värv: Must

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 *	32 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 16 GB
Memory slots	4x DIMM
Memory clock speed	4400 MHz
Non-ECC	✔
Memory data transfer rate	4400 MT/s

Ports & interfaces	
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	✘

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)	✔

Storage	
Total storage capacity *	1 TB
Storage media *	SSD
Optical drive type *	✗
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2

Graphics	
Discrete graphics card *	✓
On-board graphics card *	✓
Discrete graphics card model *	NVIDIA RTX 2000 Ada
Discrete graphics card memory	16 GB
Discrete graphics memory type	GDDR6
Number of discrete graphics cards	1
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770

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
USB 3.2 Gen 2x2 Type-C ports quantity	1
PowerShare	✓

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

Software	
Operating system installed *	Windows 11 Pro
Operating system architecture	64-bit
Trial software	Microsoft Office Trial,McAfee Business Protection 1-year

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

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
Carbon emissions, logistics (kg of CO2e)	18
Carbon emissions, energy usage (kg of CO2e)	193
Carbon emissions, end-of-life (kg of CO2e)	15
Total carbon emissions, w/o use phase (kg of CO2e)	213
PAIA version	GaBi version 1, 2024

Display	
Display included *	✗

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