



DELL Pro QCT1250 Intel® Core™ i7 i7-14700 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Tower PC Black

Brand : DELL

Product family: Pro

Product code: 457R0

Product name : QCT1250

DELL Pro QCT1250. Processor family: Intel® Core™ i7, Processor model: i7-14700. Internal memory: 8 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: Tower. Product type: PC. Weight: 6.78 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Number of USB ports with PowerShare support	2
Processor family *	Intel® Core™ i7	DisplayPorts quantity	1
Processor generation	Intel® Core™ i7 (14th gen)	DisplayPort version	1.4a
Processor model *	i7-14700	HDMI ports quantity *	1
Processor cores	20	HDMI version	2.1
Processor threads	28	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.4 GHz	Combo headphone/mic port	✓
Performance cores	8	Number of SATA III connectors	2
Efficient cores	12	Expansion slots	
Performance-core Max Turbo Frequency	5.3 GHz	PCI Express x1 slots	2
Efficient-core Max Turbo Frequency	4.2 GHz	PCI Express x16 slots	1
Performance-core base frequency	2.1 GHz	Power	
Efficient-core base frequency	1.5 GHz	Power supply *	180 W
Processor cache	33 MB	Power supply input voltage	90 - 264 V
Processor cache type	Smart Cache	Power supply input frequency	47/63 Hz
Number of processors installed	1	80 PLUS certification	80 PLUS Bronze
Processor base power	65 W	Design	
Maximum turbo power	219 W	Chassis type *	Tower
Memory		Placement supported	Vertical
Internal memory *	8 GB	Cable lock slot	✓
Maximum internal memory *	64 GB	Cable lock slot type	Kensington
Internal memory type	DDR5-SDRAM	Product colour *	Black
Memory layout (slots x size)	1 x 8 GB		

Memory		Design	
Memory slots	2x DIMM	Intel® vPro™ Platform Eligibility	✓
Non-ECC	✓	Software	
Memory channels	Single-channel	Operating system architecture	64-bit
Memory data transfer rate	5600 MT/s	Operating system installed *	Windows 11 Pro
Storage		Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Total storage capacity *	512 GB	Display	
Storage media *	SSD	Display included *	✗
Optical drive type *	✗	Audio	
Number of storage drives installed	1	Audio chip	Realtek ALC3204
Total SSDs capacity	512 GB	Audio system	High Definition Audio
Number of SSDs installed	1	Operational conditions	
SSD capacity	512 GB	Operating temperature (T-T)	10 - 35 °C
SSD memory type	TLC	Storage temperature (T-T)	-40 - 65 °C
Graphics		Operating relative humidity (H-H)	20 - 80%
Discrete graphics card *	✗	Storage relative humidity (H-H)	5 - 95%
On-board graphics card *	✓	Operating altitude	-15.2 - 3048 m
Discrete graphics card model *	Not available	Non-operating altitude	-15.2 - 10668 m
On-board GPU manufacturer	Intel	Operating vibration	0.26 G
On-board graphics card family	Intel® UHD Graphics	Non-operating vibration	1.37 G
On-board graphics card model *	Intel UHD Graphics 770	Operating shock	40 G
Performance		Non-operating shock	105 G
Motherboard chipset	Intel Q670	Weight & dimensions	
Trusted Platform Module (TPM)	✓	Width *	154 mm
Product type *	PC	Depth *	293 mm
Trusted Platform Module (TPM) version	2.0	Height *	324.3 mm
Network		Weight *	6.78 kg
Ethernet LAN *	✓	Packaging content	
Ethernet LAN data rates	10,100,1000 Mbit/s	Cables included	AC
Cabling technology	10/100/1000Base-T(X)	Sustainability	
LAN controller	Intel® I219-LM	Sustainability certificates	EPEAT Silver
Wi-Fi *	✗	Doesn't contain	PVC/BFR
Ports & interfaces		Carbon footprint	
USB 2.0 ports quantity *	4	Total carbon footprint (kg of CO2e)	166
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Carbon emissions, manufacturing (kg of CO2e)	103.75
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Carbon emissions, logistics (kg of CO2e)	10.13
PowerShare	✓	Carbon emissions, energy usage (kg of CO2e)	45.65
		Carbon emissions, end-of-life (kg of CO2e)	6.31
		PAIA version	GaBi version 1, 2024



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