



DELL Pro QCM1250 Intel® Core™ i7 i7-14700T 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Micro PC Mini PC Black

Brand : DELL

Product family: Pro

Product code: MJ5TK

Product name : QCM1250

DELL Pro QCM1250. Processor family: Intel® Core™ i7, Processor model: i7-14700T. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770. Wi-Fi. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 90 W. Chassis type: Micro PC. Product type: Mini PC. Weight: 1.16 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor family *	Intel® Core™ i7	HDMI ports quantity *	1
Processor generation	Intel® Core™ i7 (14th gen)	HDMI version	2.1
Processor model *	i7-14700T	DisplayPorts quantity	1
Processor cores	20	DisplayPort version	1.4a
Processor threads	28	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.2 GHz	Combo headphone/mic port	✓
Performance cores	8	DC-in jack	✓
Efficient cores	12	Number of rear USB ports	4
Performance-core Max Turbo Frequency	5 GHz	Number of front USB ports	2
Efficient-core Max Turbo Frequency	3.7 GHz	Number of front audio ports	1
Performance-core base frequency	1.3 GHz	Design	
Efficient-core base frequency	0.9 GHz	Chassis type *	Micro PC
Processor cache	33 MB	Placement supported	Horizontal/Vertical
Processor cache type	Smart Cache	Cable lock slot	✓
Number of processors installed	1	Cable lock slot type	Kensington
Processor base power	35 W	Product colour *	Black
Maximum turbo power	106 W	Intel® vPro™ Platform Eligibility	✓
Neural processor unit (NPU)		Performance	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Market positioning	Business
Memory		Motherboard chipset	Intel® Q870
Internal memory *	16 GB	Trusted Platform Module (TPM)	✓
Maximum internal memory *	64 GB	Product type *	Mini PC
Internal memory type	DDR5-SDRAM	Trusted Platform Module (TPM) version	2.0
Memory layout (slots x size)	1 x 16 GB	Software	
Memory slots	2x SO-DIMM	Operating system architecture	64-bit
Non-ECC	✓	Operating system installed *	Windows 11 Pro
Memory channels	Single-channel	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Memory data transfer rate	5600 MT/s	Power	
Storage		Power supply *	90 W
Total storage capacity *	512 GB	Power supply input voltage	100 - 240 V
Storage media *	SSD	Power supply input frequency	50 / 60 Hz
Optical drive type *	✗		
Number of storage drives installed	1		

Storage		Operational conditions	
Total SSDs capacity	512 GB	Operating temperature (T-T)	10 - 35 °C
Number of SSDs installed	1	Storage temperature (T-T)	-40 - 65 °C
SSD capacity	512 GB	Operating relative humidity (H-H)	20 - 80%
SSD memory type	TLC	Storage relative humidity (H-H)	5 - 95%
SSD interface	PCI Express 4.0	Operating altitude	-15.2 - 3048 m
NVMe	✓	Non-operating altitude	-15.2 - 10668 m
SSD form factor	M.2	Operating vibration	0.26 G
Graphics		Non-operating vibration	1.37 G
Discrete graphics card *	✗	Operating shock	40 G
On-board graphics card *	✓	Non-operating shock	105 G
Discrete graphics card model *	Not available	Sustainability	
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold
On-board graphics card family	Intel® UHD Graphics	Weight & dimensions	
On-board graphics card model *	Intel UHD Graphics 770	Width *	36 mm
Network		Depth *	178 mm
Ethernet LAN *	✓	Height *	182 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	1.16 kg
Cabling technology	10/100/1000Base-T(X)	Carbon footprint	
LAN controller	Intel WGI219LM	Total carbon footprint (kg of CO2e)	77.6
Wi-Fi *	✓	Carbon emissions, manufacturing (kg of CO2e)	41.516
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Carbon emissions, logistics (kg of CO2e)	2.1728
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Carbon emissions, energy usage (kg of CO2e)	33.4456
WLAN controller manufacturer	Intel	Carbon emissions, end-of-life (kg of CO2e)	0.54
WLAN controller model	Intel Wi-Fi 6E AX211	PAIA version	GaBi version 1, 2024
Antenna type	2x2	Display	
Antenna design	Internal	Display included *	✗
Bluetooth	✓	Audio	
Ports & interfaces		Audio chip	Realtek ALC3204
USB 2.0 ports quantity *	2	Audio system	High Definition Audio
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		



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