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:** 3JMH7

Product name : QCM1250

- Windows 11 Pro 64-bit
- Intel Core i7-14700T (33MB Cache)
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-14700T (33MB Cache), 16GB DDR5-SDRAM, 512GB SSD, Intel UHD Graphics 770, LAN, WLAN, Bluetooth, Windows 11 Pro 64-bit

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

Ultracompact desktops designed to maximise efficiency and productivity in small workspaces. 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. Chassis type: Micro PC. Product type: Mini PC. Weight: 1.16 kg. Product colour: Black

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	Intel® Core™ i7 (14th gen)
Processor model *	i7-14700T
Processor cores	20
Processor threads	28
Processor boost frequency	5.2 GHz
Performance cores	8
Efficient cores	12
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Performance-core base frequency	1.3 GHz
Efficient-core base frequency	0.9 GHz
Processor cache	33 MB
Processor cache type	Smart Cache
Number of processors installed	1
Processor base power	35 W
Maximum turbo power	106 W

Neural processor unit (NPU)	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN

Memory	
Internal memory *	16 GB
Maximum internal memory *	64 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 16 GB
Memory slots	2x SO-DIMM
Non-ECC	✔
Memory channels	Single-channel
Memory data transfer rate	5600 MT/s

Storage	
Total storage capacity *	512 GB
Storage media *	SSD

Network	
Antenna type	2x2
Antenna design	Internal
Bluetooth	✔

Ports & interfaces	
USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
DisplayPorts quantity	1
DisplayPort version	1.4a
HDMI ports quantity *	1
HDMI version	2.1
Ethernet LAN (RJ-45) ports	1
Combo headphone/mic port	✔
DC-in jack	✔
Number of rear USB ports	4
Number of front USB ports	2
Number of front audio ports	1

Power	
Power supply input voltage	100 - 240 V
Power supply input frequency	50 / 60 Hz

Design	
Chassis type *	Micro PC
Placement supported	Horizontal/Vertical
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 11 Pro
Trial software	Activate Your Microsoft 365 For A 30 Day Trial

Storage	
Optical drive type *	✗
Number of storage drives installed	1
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD memory type	TLC
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2

Graphics	
Discrete graphics card *	✗
On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770

Performance	
Market positioning	Business
Motherboard chipset	Intel® Q870
Trusted Platform Module (TPM)	✔
Product type *	Mini PC
Trusted Platform Module (TPM) version	2.0

Network	
Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
LAN controller	Intel WGI219LM
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6E AX211

Display	
Display included *	✗

Audio	
Audio chip	Realtek ALC3204
Audio system	High Definition Audio

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating vibration	0.26 G
Non-operating vibration	1.37 G
Operating shock	40 G
Non-operating shock	105 G

Weight & dimensions	
Width *	36 mm
Depth *	178 mm
Height *	182 mm
Weight *	1.16 kg

Packaging content	
Cables included	AC
Box contents	Power Cord (US) for 180W Adapter,90 Watt A/C Adapter,1st M.2 2230 SSD Extend Bracket & Screw

Sustainability	
Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold

Carbon footprint	
Total carbon footprint (kg of CO2e)	77.6
Carbon emissions, manufacturing (kg of CO2e)	41.52
Carbon emissions, logistics (kg of CO2e)	2.17
Carbon emissions, energy usage (kg of CO2e)	33.45
Carbon emissions, end-of-life (kg of CO2e)	0.54
PAIA version	GaBi version 1, 2024

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