



DELL ECT1250 Intel® Core™ i3 i3-14100 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Tower PC Black

Brand : DELL

Product code: ECT1250_RPLS-R_013

Product name : ECT1250

DELL ECT1250. Processor family: Intel® Core™ i3, Processor model: i3-14100. 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 730. Wi-Fi. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: Tower. Product type: PC. Weight: 6.86 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel® Core™ i3	HDMI version	2.1
Processor generation	Intel® Core™ i3 (14th gen)	DisplayPorts quantity	1
Processor model *	i3-14100	DisplayPort version	1.4a
Processor cores	4	Ethernet LAN (RJ-45) ports	1
Processor threads	8	Combo headphone/mic port	✓
Processor boost frequency	4.7 GHz	Number of SATA III connectors	1
Performance cores	4	Expansion slots	
Performance-core Max Turbo Frequency	4.7 GHz	PCI Express x1 slots	2
Performance-core base frequency	3.5 GHz	PCI Express x16 slots	1
Processor cache	12 MB	Design	
Processor cache type	Smart Cache	Chassis type *	Tower
Number of processors installed	1	Placement supported	Vertical
Processor base power	60 W	Cable lock slot	✓
Maximum turbo power	110 W	Cable lock slot type	Kensington
Neural processor unit (NPU)		Product colour *	Black
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Performance	
Memory		Motherboard chipset	Intel® Q870
Internal memory *	8 GB	Trusted Platform Module (TPM)	✓
Maximum internal memory *	64 GB	Product type *	PC
Internal memory type	DDR5-SDRAM	Trusted Platform Module (TPM) version	2.0
Memory layout (slots x size)	1 x 8 GB		

Memory		Software	
Memory slots	2x DIMM	Operating system architecture	64-bit
Memory channels	Single-channel	Operating system installed *	Windows 11 Pro
Memory data transfer rate	4800 MT/s	Trial software	McAfee LiveSafe 1-year (5-device), Activate Your Microsoft 365 For A 30 Day Trial
Storage		Power	
Total storage capacity *	512 GB	Power supply *	180 W
Storage media *	SSD	Power supply input voltage	90 - 264 V
Optical drive type *	✗	Power supply input frequency	47/63 Hz
Number of storage drives installed	1	80 PLUS certification	80 PLUS Bronze
Number of storage drives supported	2	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)	10 - 90%
SSD interface	PCI Express 4.0	Storage relative humidity (H-H)	0 - 95%
NVMe	✓	Operating altitude	-15.2 - 3048 m
SSD form factor	M.2	Non-operating altitude	-15.2 - 10668 m
M.2 SSD size	2230 (22 x 30 mm)	Operating vibration	0.66 G
Graphics		Non-operating vibration	1.3 G
Discrete graphics card *	✗	Operating shock	110 G
On-board graphics card *	✓	Non-operating shock	160 G
Discrete graphics card model *	Not available	Sustainability	
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Silver
On-board graphics card family	Intel® UHD Graphics	Weight & dimensions	
On-board graphics card model *	Intel UHD Graphics 730	Width *	154 mm
Network		Depth *	293 mm
Ethernet LAN *	✓	Height *	324.3 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	6.86 kg
Cabling technology	10/100/1000Base-T(X)	Carbon footprint	
LAN controller	Realtek RTL8111KD	Total carbon footprint (kg of CO2e)	214
Wi-Fi *	✓	Carbon emissions, manufacturing (kg of CO2e)	112.992
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)	Carbon emissions, logistics (kg of CO2e)	10.272
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n)	Carbon emissions, energy usage (kg of CO2e)	84.316
WLAN controller manufacturer	MediaTek	Carbon emissions, end-of-life (kg of CO2e)	6.42
WLAN controller model	MediaTek MT7920	PAIA version	GaBi version 1, 2024
Antenna type	2x2	Display	
Bluetooth	✓	Display included *	✗
MU-MIMO	✓	Audio	
Ports & interfaces		Audio chip	Realtek ALC3204
USB 2.0 ports quantity *	4	Audio system	High Definition Audio
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1		

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