



DELL Pro QCS1255 AMD Ryzen™ 7 8700G 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Slim PC PC Black

Brand : DELL

Product family: Pro

Product code: 4PKHY

Product name : QCS1255

DELL Pro QCS1255. Processor frequency: 4.2 GHz, Processor family: AMD Ryzen™ 7, Processor model: 8700G. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 780M. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: Slim PC. Product type: PC. Weight: 5.68 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor family *	AMD Ryzen™ 7	DisplayPorts quantity	1
Processor generation	AMD Ryzen 8000 Series	DisplayPort version	1.4a
Processor model *	8700G	HDMI ports quantity *	1
Processor cores	8	HDMI version	2.1
Processor threads	16	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.1 GHz	Combo headphone/mic port	✓
Processor frequency *	4.2 GHz	Number of SATA III connectors	2
Processor cache	16 MB	Expansion slots	
Processor cache type	L3	PCI Express x1 (Gen 3.x) slots	2
Number of processors installed	1	PCI Express x16 (Gen 4.x) slots	1
Processor base power	65 W	Power	
Neural processor unit (NPU)		Power supply *	180 W
Neural processor unit (NPU)	AMD Ryzen AI	Power supply input voltage	90 - 264 V
NPU performance up to	16 TOPs	Power supply input frequency	47/63 Hz
Memory		80 PLUS certification	80 PLUS Bronze
Internal memory *	16 GB	Design	
Maximum internal memory *	64 GB	Chassis type *	Slim PC
Internal memory type	DDR5-SDRAM	Placement supported	Horizontal/Vertical
Memory layout (slots x size)	1 x 16 GB	Cable lock slot	✓
Memory slots	2x DIMM	Cable lock slot type	Kensington
Non-ECC	✓	Product colour *	Black
Memory channels	Dual-channel		

Memory		Software	
Memory data transfer rate	4800 MT/s	Operating system architecture	64-bit
Storage		Operating system installed *	Windows 11 Pro
Total storage capacity *	512 GB	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Storage media *	SSD	Display	
Optical drive type *	✗	Display included *	✗
Number of storage drives installed	1	Audio	
Total SSDs capacity	512 GB	Audio chip	Realtek ALC3204
Number of SSDs installed	1	Audio system	High Definition Audio
SSD capacity	512 GB	Operational conditions	
SSD interface	PCI Express	Operating temperature (T-T)	10 - 35 °C
NVMe	✓	Storage temperature (T-T)	-40 - 65 °C
SSD form factor	M.2	Operating relative humidity (H-H)	10 - 90%
Graphics		Storage relative humidity (H-H)	0 - 95%
Discrete graphics card *	✗	Operating altitude	-15.2 - 3048 m
On-board graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card model *	Not available	Operating vibration	0.66 G
On-board GPU manufacturer	AMD	Non-operating vibration	1.3 G
On-board graphics card family	AMD Radeon	Operating shock	110 G
On-board graphics card model *	AMD Radeon 780M	Non-operating shock	160 G
Performance		Weight & dimensions	
Motherboard chipset	AMD PRO 665	Width *	95 mm
Trusted Platform Module (TPM)	✓	Depth *	293 mm
Product type *	PC	Height *	303.5 mm
Trusted Platform Module (TPM) version	2.0	Weight *	5.68 kg
Network		Packaging content	
Ethernet LAN *	✓	Cables included	AC
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability	
Cabling technology	10/100/1000Base-T(X)	Doesn't contain	PVC/BFR
Wi-Fi *	✓	Carbon footprint	
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Total carbon footprint (kg of CO2e)	162
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, manufacturing (kg of CO2e)	75.98
WLAN controller manufacturer	MediaTek	Carbon emissions, logistics (kg of CO2e)	9.88
WLAN controller model	MediaTek MT7920	Carbon emissions, energy usage (kg of CO2e)	72.58
Antenna type	2x2	Carbon emissions, end-of-life (kg of CO2e)	3.4
Antenna design	Internal	PAIA version	GaBi version 1, 2024
Bluetooth	✓		
MU-MIMO	✓		
Ports & interfaces			
USB 2.0 ports quantity *	4		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		



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