

Dell Pro Max Tower T2 FCT2250 (FPT01)

Dell Pro Max Tower T2 FCT2250 - Tower Core Ultra 9 285K / up to 5.7 GHz - vPro Enterprise - RAM 64 GB - SSD 1 TB - SED, NVMe, TLC - Intel Graphics - Gigabit Ethernet - Win 11 Pro - monitor: none - black - BTP - with 3 Years Basic Onsite



The Dell Pro Max Tower T2 FCT2250 is a personal computer designed for performance and reliability. Featuring a 1 TB SSD with PCI Express 4.0, it provides fast data access speeds, while the Intel Core Ultra 9 processor, with a maximum clock speed of 5.6 GHz, supports smooth multitasking with 24 threads. The system is equipped with 32 GB of DDR5 RAM, allowing it to handle demanding applications. With integrated options, including multiple USB ports and Thunderbolt 4, this tower offers versatility for any professional environment. The system is ENERGY STAR certified and EPEAT Gold, meeting environmental standards. Enhanced security options such as chassis intrusion protection reinforce its suitability for business use.

Key Selling Points

- 1 TB SSD with PCI Express 4.0 for high-speed data access
- Intel Core Ultra 9 processor with 24 cores
- 32 GB of DDR5 RAM for efficient multitasking
- Versatile connectivity options including Thunderbolt 4
- Robust security features for enhanced protection

Product Features

- Robust processing power**
The Intel Core Ultra 9 processor with a clock speed of 2.5 GHz and a maximum turbo speed of 5.6 GHz is designed to handle intensive applications efficiently, providing 24 cores and 24 threads for performance.
- High-speed storage**
Equipped with a 1 TB SSD that supports PCI Express 4.0, this system allows for rapid boot times and swift file transfers, enhancing productivity.
- Advanced audio system**
The integrated high definition audio system with a Realtek ALC3204 codec provides clear sound quality, making it suitable for presentations and multimedia tasks.
- Energy-efficient design**
This desktop is ENERGY STAR certified and holds an EPEAT Gold rating, reflecting its commitment to reducing energy consumption and environmental impact.
- Comprehensive connectivity**
With multiple USB ports, including USB-C 3.2 Gen 2 and Thunderbolt 4, as well as HDMI and DisplayPort options, this tower offers a range of connectivity solutions for peripherals and external displays.

Main Specifications

Product Description	Dell Pro Max Tower T2 FCT2250 - tower Core Ultra 9 285K 3.7 GHz - vPro Enterprise - 64 GB - SSD 1 TB
Type	Personal computer - tower
Bundled Services	3 Years Basic Onsite
Platform Technology	Intel vPro Enterprise
Processor	Intel Core Ultra 9 (Series 2) 285K / 3.7 GHz (up to 5.7 GHz, (24-core)
Processor Main Features	24 Threads, 125W TDP
Neural Processor Unit (NPU)	Intel AI Boost - up to 13 TOPS
Cache Memory	36 MB
Cache Per Processor	36 MB
RAM	64 GB (installed) / 128 GB (max) - DDR5 SDRAM - non-ECC
Hard Drive	SSD 1 TB - PCI Express 4.0 x4 - M.2 2280 - Self-Encrypting Drive, NVMe Express (NVMe), triple-level cell (TLC)
Optical Storage	No optical drive
Card Reader	Yes
Graphics Controller	Intel Graphics Shared Video Memory (UMA) - up to 8 TOPS
Networking	1GbE
Power	(50/60 Hz)

OS Provided	Windows 11 Pro
Software Included	Intel Rapid Storage Technology, Activate your Microsoft 365 for a 30 day trial
Colour	Black
Dimensions (WxDxH)	18.77 cm x 43.8 cm x 38.7 cm
Weight	9.7 kg
Pricing Type	Build To Plan (BTP)
Environmental Standards	ENERGY STAR Qualified EPEAT Silver
Carbon Footprint	406 kg carbon emissions

Extended Specification

General

Platform Technology	Intel vPro Enterprise
Type	Personal computer
Bundled Services	3 Years Basic Onsite
Product Form Factor	Tower
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Colour	Black

Expansion / Connectivity

Bays	3 (total) / 3 (free) x internal 3.5" ¦ 1 (total) / 1 (free) x external 5.25" (9.5mm height)
Slots	1 (total) / 1 (free) x M.2 Card - 2230 (for wireless module) ¦ 3 (total) / 2 (free) x M.2 Card - 2230/2280 (for SSD) ¦ 1 PCIe 5.0 x16 - full-height ¦ 1 PCIe 3.0 x4 - half-length, full-height ¦ 1 PCIe 4.0 x4 - full-length, full-height (open ended) ¦ 1 PCIe 3.0 x4 - full-length, full-height (open ended)
Interfaces	1 x LAN (Gigabit Ethernet) ¦ 2 x USB 3.2 Gen 1 (one of them with PowerShare) ¦ 1 x USB-C 3.2 Gen 2 ¦ 2 x USB-C 3.2 Gen 2x2 (one of them with PowerShare) ¦ 2 x USB 2.0 (supports SmartPower On) ¦ 2 x USB 3.2 Gen 2 ¦ 1 x Thunderbolt 4 ¦ 1 x headphones/microphone ¦ 2 x DisplayPort 1.4a

RAM

Installed Size	64 GB (installed) / 128 GB (max)
Technology	DDR5 SDRAM - non-ECC
Effective Memory Speed	2800 MHz
Rated Memory Speed	2800 MHz
Form Factor	DIMM 288-pin
Slots	4 (Total) / 2 (empty)
Configuration Features	2 x 32 GB

Networking

Ethernet Controller	Intel I219-LM
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), chassis intrusion switch, lockable cable covers
Security Slot Type	Kensington security slot
Pricing Type	Build To Plan (BTP)

Power

Device Type	Power supply
Voltage Required	AC 90-264 V (50/60 Hz)
Power Provided	1500 Watt
80 PLUS Certification	80 PLUS Platinum

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% (non-condensing)

Cache Memory

Installed Size	36 MB
Cache Per Processor	36 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Windows 11 Pro
Software	Intel Rapid Storage Technology, Activate your Microsoft 365 for a 30 day trial

Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	Intel Graphics Shared Video Memory (UMA) - up to 8 TOPS
Video Interfaces	DisplayPort

Audio Output

Compliant Standards	High Definition Audio
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Hard Drive

Type	SSD - M.2 2280
Capacity	1 x 1 TB
Interface Type	PCI Express 4.0 x4
Features	Self-Encrypting Drive, NVM Express (NVMe), triple-level cell (TLC)

Input Device

Type	Mouse (on selected markets only), keyboard (on selected markets only)
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Dimensions & Weight

Width	18.77 cm
Depth	43.8 cm
Height	38.7 cm
Weight	9.7 kg

Keyboard

Keyboard Name	Dell KB216 Wired Keyboard
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Card Reader

Type	Card reader
Supported Flash Memory Cards	SD Memory Card, SDHC Memory Card, SDXC Memory Card

Mouse

Mouse Name	Dell MS116 USB Optical Mouse
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Processor / Chipset

CPU	Intel Core Ultra 9 (Series 2) 285K
Clock Speed	3.7 GHz (P-core) / 3.2 GHz (E-core)
Max Turbo Speed	5.7 GHz (P-core) / 4.6 GHz (E-core)
Number of Cores	24-core
CPU Qty	1
Max CPU Qty	1
Processor Main Features	24 Threads, 125W TDP
Chipset Type	Intel W880

Sustainability Information

EPEAT Compliant	EPEAT Silver
ENERGY STAR Certified	Yes
Carbon Footprint	406 kg carbon emissions
Manufacturing (kg CO2e)	145.348
Logistics (kg CO2e)	15.428
Use (kg CO2e)	231.42
EOL (kg CO2e)	13.804
Total Carbon w/o Use Phase (kg CO2e)	174.58
PAIA Version	GaBi version 1, 2024

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	13 TOPS
Total Processor Performance Up To (TOPS)	36 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WebNN, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

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