


Dell Pro Max Tower T2

FCT2250

Owner's Manual

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Views of Dell Pro Max Tower T2 FCT2250

Front

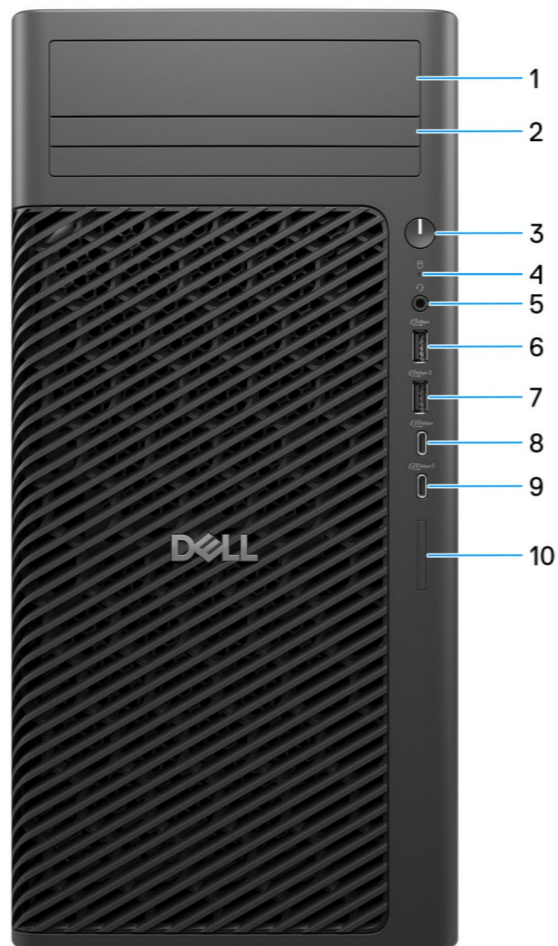


Figure 1. Front view of Dell Pro Max Tower T2 FCT2250

1. **3.5" Hard-drive bay (optional)**

Slot to install the 3.5-inch hard drive.

2. **Slim optical-drive bay (optional)**

Slot to install the Slim optical drive.

3. **Power button with diagnostic LED**

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

4. **Hard-drive activity light**

Turns on when the computer reads from or writes to the hard drive.

NOTE: Hard-drive activity light is supported only on computers that are shipped with hard drive.

5. Global headset jack

Connect headphones or a headset (headphone and microphone combo).


6. USB 3.2 Gen 1 (5 Gbps) port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

7. USB 3.2 Gen 1 (5 Gbps) port with PowerShare

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

PowerShare enables you to charge connected USB devices.

 **NOTE:** Connected USB devices will not charge when the computer is turned off or in a sleep state. To start charging connected devices, turn on the computer.


8. USB 3.2 Gen 2 (10 Gbps) Type-C port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 10 Gbps.

9. USB 3.2 Gen 2x2 (20 Gbps) Type-C port with PowerShare

Connect devices such as external storage devices, printers, and external displays. Provides data transfer rate of up to 20 Gbps.

PowerShare enables you to charge connected USB devices.

 **NOTE:** Connected USB devices will not charge when the computer is turned off or in a sleep state. To start charging connected devices, turn on the computer.

10. SD Express 7.0-card slot (optional)

Reads from and writes to the SD card.

Back

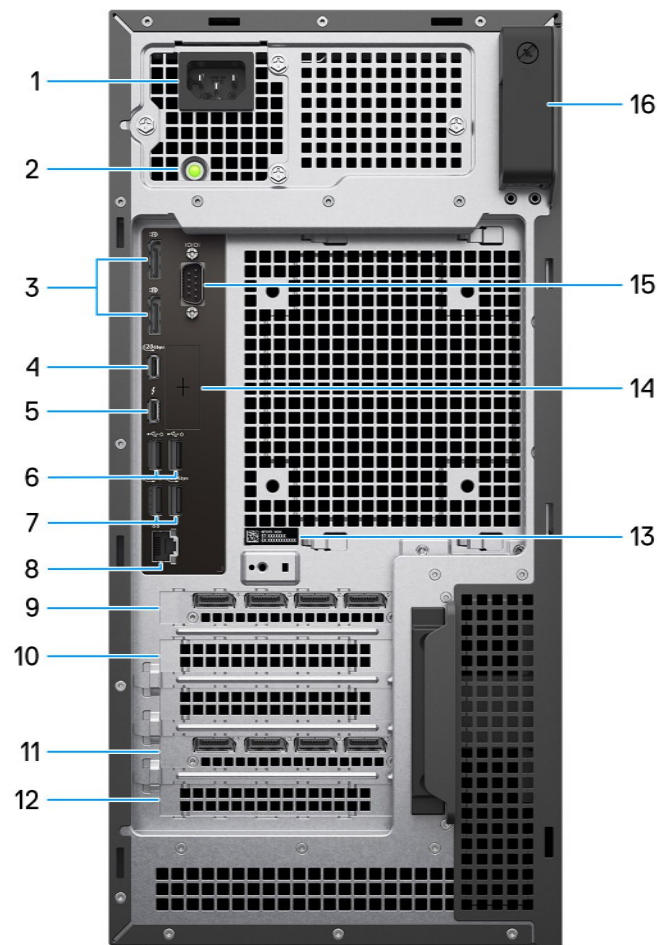


Figure 2. Back view of Dell Pro Max Tower T2 FCT2250

1. **Power-cord connector**
Connect a power cable to provide power to your computer.
2. **Power-supply diagnostics light**
Indicates the power-supply state.
3. **DisplayPort 1.4a HBR3 ports**
Connect an external display or a projector.
4. **USB 3.2 Gen 2x2 (20 Gbps) capable Type-C port**
Connect devices such as external storage devices and printers. Provides data transfer speeds up to 20 Gbps.
5. **Thunderbolt4 port**
Connect devices that support thunderbolt Connectivity.
6. **USB 2.0 (480 Mbps) ports with SmartPower**
Connect devices such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps. Wake from standby with the keyboard or mouse that is connected to this port.
7. **USB 3.2 Gen 2 (10 Gbps) ports**
Connect devices such as external storage devices and printers. Provides data transfer speeds up to 10 Gbps.

8. RJ45 ethernet port (1 Gbps)

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access, with a transfer rate of 10/100/1000 Mbps.

9. Full-height, half-length Gen3 x4 PCIe closed-end slot

Connect a PCI-Express card such as an audio, or network card to enhance the capabilities of your computer.

10. PEG full-height Gen5 PCIe x16 slot

Connect a PCI-Express card such as graphics, audio, or network card to enhance the capabilities of your computer.

11. Full-height, full-length Gen4 x4 PCIe open-end slot

Connect a PCI-Express card such as an audio, or network card to enhance the capabilities of your computer.

12. Full-height, full-length Gen3 x4 PCIe open-end slot


Connect a PCI-Express card such as an audio, or network card to enhance the capabilities of your computer.

13. Service Tag label

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

14. Optional port

The port or ports available at this location may vary depending on the optional-port module that is installed on your computer.

 **NOTE:** Only one of these options can be installed at the location that is shown on your computer.

- **VGA port**

Connect an external display or a projector. The maximum resolution that is supported by this port is up to 1920 x 1200 at 60 Hz.

- **HDMI 2.1 (FRL) port**

Connect to a TV, external display, or another HDMI-in enabled device. The maximum resolution that is supported by this port is up to 5120 x 3200 at 60 Hz.

- **DisplayPort 2.1 (UHBR20) port**

Connect an external display or a projector. The maximum resolution that is supported by this port is up to 7680 x 4320 at 60 Hz.

- **Two USB 3.2 Gen 2 (10 Gbps) ports**

Connect devices such as external storage devices and printers. Provides data transfer speeds of up to 10 Gbps.

- **USB 3.2 Gen 2 (10 Gbps) Type-C with DisplayPort alt mode port**

Connect devices such as external storage devices and printers. Provides data transfer speeds of up to 10 Gbps. The maximum resolution that is supported by this port is up to 5120 x 3200 at 60 Hz with a Type-C to DisplayPort adapter.

- **One Thunderbolt 4 port + One USB 3.2 Gen 2 (10 Gbps) Type-C port**


Connect devices such as external storage devices and printers. Provides data transfer speeds of up to 10 Gbps.

- **RJ45 ethernet port (5 Gbps)**

Connect an RJ45 ethernet cable from a router or a broadband modem for network or Internet access.

- **Fiber optic port (5 Gbps, peer-to-peer)**

Connect a fiber optic cable from a router or a broadband modem for network or Internet access.

 **NOTE:** Supports up to 5 Gbps connectivity on peer-to-peer transmission. Actual speed on the network depends on equipment compatibility, requiring both transceiver and switch at the same maximum speed.

15. Legacy serial port

Connect a peripheral or device to the RS-232 serial port.


16. Side-cover release latch

Release to open the side cover and access the internal components of your computer.

Set up your computer

Steps

1. Connect the keyboard and mouse.

 **NOTE:** For setup instructions, see the documentation that is shipped with the keyboard and mouse.

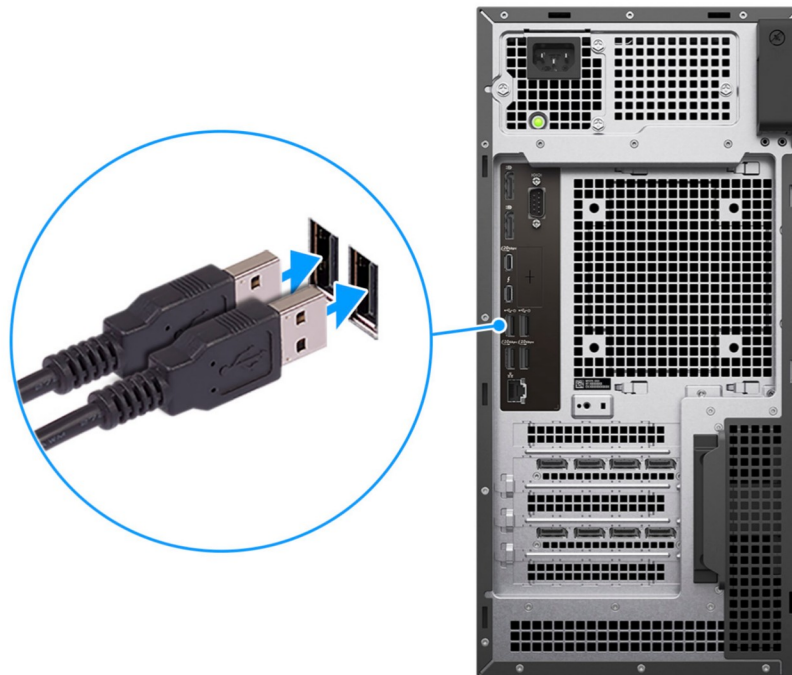


Figure 3. Connecting the keyboard and mouse

2. Connect to your network using a cable, or connect to a wireless network.

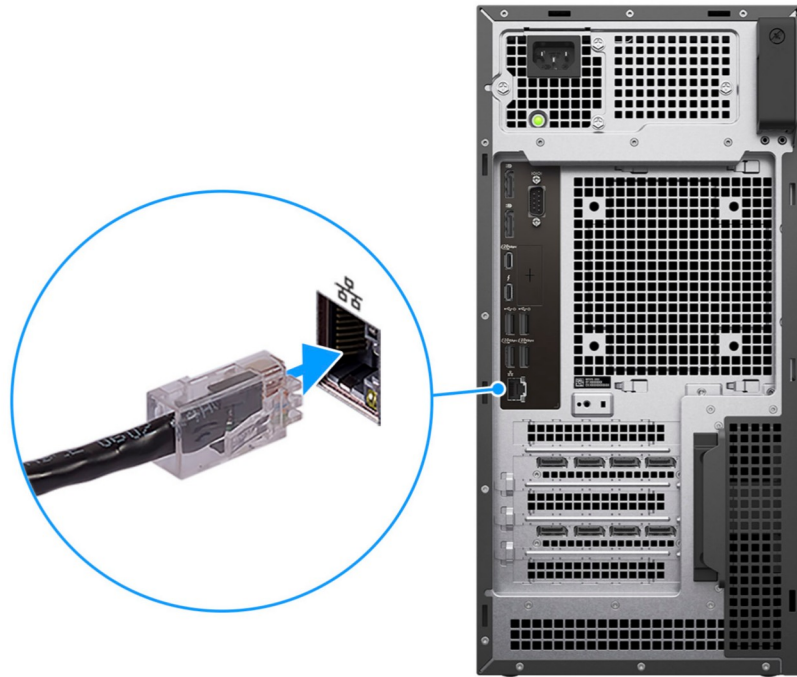


Figure 4. Connecting the network cable

3. Connect the display.

NOTE: For improved graphical performance, connect the display to the display ports on the discrete graphics processing unit.

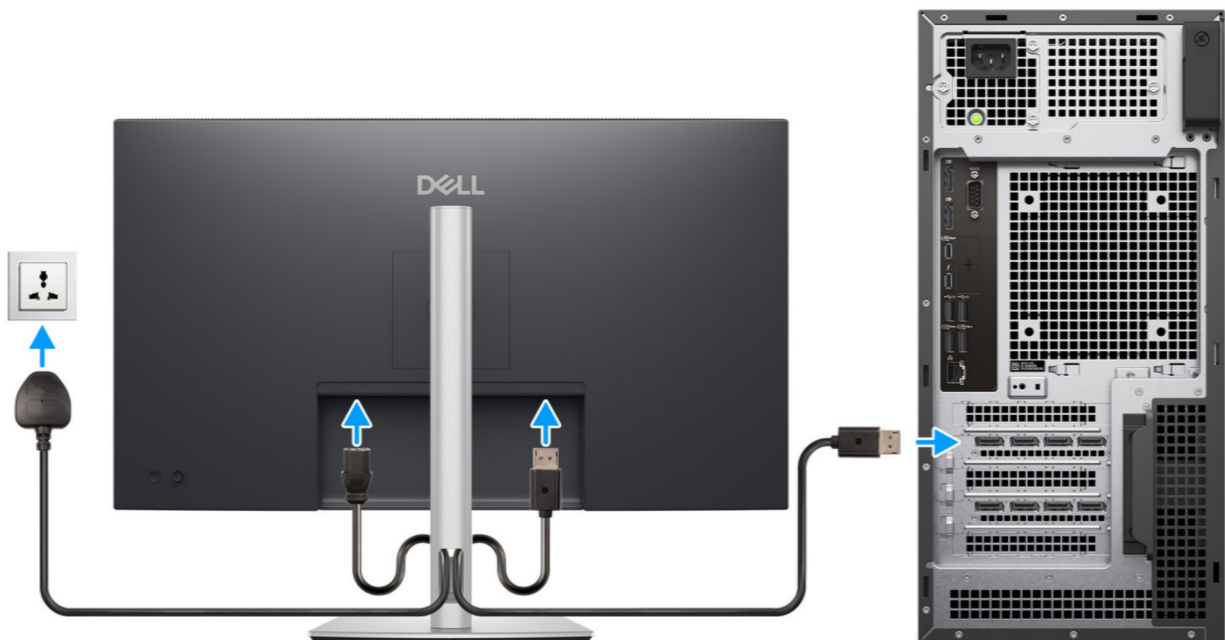


Figure 5. Connecting the display

4. Connect the power cable.

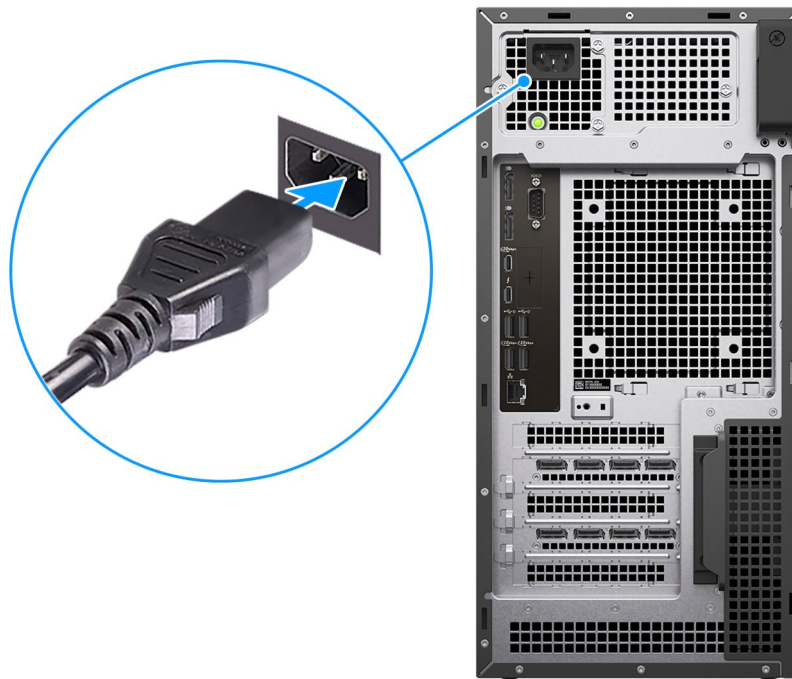


Figure 6. Connecting the power cable

5. Press the power button.



Figure 7. Pressing the power button

German GS statement

The device is not intended for use in the immediate field of vision at a computer workstation. To avoid annoying reflections at the computer workstation, this product must not be placed in the immediate field of vision.

Das Gerät ist nicht für die Benutzung im unmittelbaren Gesichtsfeld am Bildschirmarbeitsplatz vorgesehen. Um störende Reflexionen am Bildschirmarbeitsplatz zu vermeiden, darf dieses Produkt nicht im unmittelbaren Gesichtsfeld platziert werden.

6. Finish the operating system setup.


For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at [Dell Support Site](#).

For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell Technologies recommends that you:

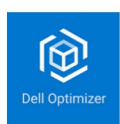




- Connect to a network for Windows updates.

 **NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.

- If connected to the Internet, sign-in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

7. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps


Resources	Description
	Dell Optimizer is an application is designed to enhance computer performance and productivity by optimizing settings for power, battery, display, collaboration touchpad, and presence detection. It also provides access to applications purchased with your new computer. For more information, see Dell Optimizer User's Guide at Dell Support Site .
	Dell Product Registration Register your computer with Dell.
	Dell Help & Support Access help and support for your computer.
	SupportAssist SupportAssist is a proactive and predictive technology that offers automated technical support for Dell computers. It proactively monitors both hardware and software, addressing performance issues, preventing security threats, and automating engagement with Dell Technical Support. For more information, see SupportAssist documentation at Dell Support Site .  NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.

Specifications of Dell Pro Max Tower T2 FCT2250

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell Pro Max Tower T2 FCT2250.

Table 2. Dimensions and weight

Description	Values
Height	387.00 mm (15.24 in.)
Width	187.70 mm (7.40 in.)
Depth	438.00 mm (17.24 in.)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	<ul style="list-style-type: none"> Minimum: 9.70 kg (21.38 lbs.) Maximum: 20.40 kg (44.97 lbs.)

Processor

The following table lists the details of the processors that are supported in your Dell Pro Max Tower T2 FCT2250.

Table 3. Processor

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven
Processor type	Intel Core Ultra 5 235	Intel Core Ultra 5 245	Intel Core Ultra 5 245K	Intel Core Ultra 7 265	Intel Core Ultra 7 265K	Intel Core Ultra 9 285	Intel Core Ultra 9 285K
Processor wattage	65 W	65 W	125 W	65 W	125 W	65 W	125 W
Processor core count	14	14	14	20	20	24	24
Processor thread count	14	14	14	20	20	24	24
Processor speed	Up to 5 GHz	Up to 5.10 GHz	Up to 5.20 GHz	Up to 5.30 GHz	Up to 5.50 GHz	Up to 5.60 GHz	Up to 5.70 GHz
Processor cache	24 MB	24 MB	24 MB	30 MB	30 MB	36 MB	36 MB
Integrated graphics	Intel Graphics	Intel Graphics	Intel Graphics	Intel Graphics	Intel Graphics	Intel Graphics	Intel Graphics

Chipset

The following table lists the details of the chipset that is supported by your Dell Pro Max Tower T2 FCT2250.

Table 4. Chipset

Description	Values
Chipset	Intel W880
Processor	Intel Core Ultra 5/7/9
DRAM bus width	64-bit
Flash EPROM	32 MB + 32 MB
PCIe bus	Up to Gen5

Operating system

Your Dell Pro Max Tower T2 FCT2250 supports the following operating systems:

- Windows 11 Home
- Windows 11 Pro
- Windows 11 Pro National Academic
- Windows 11 IoT Enterprise 2024 LTSC
- Ubuntu Linux 24.04 LTS

For more information about Dell operating system Recovery image, see *How to Download and Use the Dell OS Recovery Image in Microsoft Windows*, at [Dell support site](#).

Commercial platform Windows 11 N-2 and 5-year operating system supportability:

All newly introduced 2019 and later commercial platforms (Dell, Dell Pro, and Dell Pro Max) will qualify and ship with the most current factory installed Semi-Annual Channel Windows 11 version (N) and qualify (but not ship) the previous two versions (N-1, N-2). The Dell Pro Max Tower T2 FCT2250 will RTS with Windows 11 version v23H2 at the time of launch, and this version will determine the N-2 versions that are initially qualified for this platform.

For future versions of Windows 11, Dell continues to test the commercial platform with coming Windows 11 releases during device production and for five years post-production, including both fall and spring releases from Microsoft.

For additional information about N-2 and 5-year Windows operating system supportability, see the Dell Windows as a Service (WaaS), at [Dell support site](#).

EOML 411

The Dell Pro Max Tower T2 FCT2250 continues to test the coming Semi-Annual Channel Windows 11 version releases for five years post-production, including both fall and spring releases from Microsoft.

Memory

The following table lists the memory specifications that are supported by your Dell Pro Max Tower T2 FCT2250.

Table 5. Memory specifications

Description	Values
Memory slots	Four UDIMM slots
Memory type	DDR5
Memory speed	<ul style="list-style-type: none">• 4400 MT/s : 2 DIMM-2R

Table 5. Memory specifications (continued)

Description	Values
	<ul style="list-style-type: none"> 4800 MT/s : 2 DIMM-1R 5600 MT/s : 1 DIMM-1R/2R
Maximum memory configuration	128 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB, 16 GB, 32 GB
Memory configurations supported	<ul style="list-style-type: none"> 8 GB: 1 x 8 GB, DDR5, 5600 MT/s, UDIMM, Non-ECC, single-channel 16 GB: 2 x 8 GB, DDR5, 5600 MT/s, UDIMM, Non-ECC, dual-channel 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, UDIMM, Non-ECC, single-channel 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, UDIMM, Non-ECC, dual-channel 32 GB: 4 x 8 GB, DDR5, 4800 MT/s, UDIMM, Non-ECC, dual-channel 64 GB: 2 x 32 GB, DDR5, 5600 MT/s, UDIMM, Non-ECC, dual-channel 64 GB: 4 x 16 GB, DDR5, 4800 MT/s, UDIMM, Non-ECC, dual-channel 128 GB: 4 x 32 GB, DDR5, 4400 MT/s, UDIMM, Non-ECC, dual-channel 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, UDIMM, ECC, single-channel 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, UDIMM, ECC, dual-channel 64 GB: 2 x 32 GB, DDR5, 5600 MT/s, UDIMM, ECC, dual-channel 64 GB: 4 x 16 GB, DDR5, 4800 MT/s, UDIMM, ECC, dual-channel 128 GB: 4 x 32 GB, DDR5, 4400 MT/s, UDIMM, ECC, dual-channel

Memory matrix

The following table lists the memory configurations supported on your Dell Pro Max Tower T2 FCT2250.

Table 6. Memory matrix

Configuration	Slot			
	UDIMM1	UDIMM2	UDIMM3	UDIMM4
8 GB DDR5	8 GB			
16 GB DDR5	8 GB	8 GB		
16 GB DDR5	16 GB			
32 GB DDR5	8 GB	8 GB	8 GB	8 GB
32 GB DDR5	16 GB	16 GB		
32 GB DDR5	32 GB			
64 GB DDR5	16 GB	16 GB	16 GB	16 GB

Table 6. Memory matrix (continued)

Configuration	Slot			
	UDIMM1	UDIMM2	UDIMM3	UDIMM4
64 GB DDR5	32 GB	32 GB		
128 GB DDR5	32 GB	32 GB	32 GB	32 GB

External ports and slots

The following table lists the external ports and slots on your Dell Pro Max Tower T2 FCT2250.

Table 7. External ports and slots

Description	Values
Network port	One RJ45 ethernet port (1 Gbps)
USB ports	<ul style="list-style-type: none"> One USB 3.2 Gen 1 (5 Gbps) port One USB 3.2 Gen 1 (5 Gbps) port with PowerShare One USB 3.2 Gen 2 (10 Gbps) Type-C port One USB 3.2 Gen 2x2 (20 Gbps) Type-C port with PowerShare Two USB 2.0 (480 Mbps) ports with SmartPower Two USB 3.2 Gen 2 (10 Gbps) ports One Thunderbolt4 port One USB 3.2 Gen 2x2 (20 Gbps) Type-C port
Audio port	One global headset jack
Video port(s)	Two DisplayPort 1.4a HBR3 ports
Media-card reader	One SD 7.0 Express-card slot (optional)
Power-adaptor port	One power-cable connector
Security-cable slot	One Kensington security-cable slot

Internal slots

The following table lists the internal slots on your Dell Pro Max Tower T2 FCT2250.

Table 8. Internal slots


Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for WiFi and Bluetooth combo card Three M.2 2230/2280 slots for solid-state drive <p> NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at Dell Support Site.</p>
SATA	<ul style="list-style-type: none"> Three SATA 3.0 slot for 3.5-inch hard-disk drive One SATA 3.0 slot for slimline optical drive
PCIe	<ul style="list-style-type: none"> One PEG full-height Gen5 PCIe x16 slot One full-height, half-length Gen3 x4 PCIe closed-end slot

Table 8. Internal slots (continued)

Description	Values
	<ul style="list-style-type: none"> One full-height, full-length Gen4 x4 PCIe open-end slot One full-height, full-length Gen3 x4 PCIe open-end slot

Ethernet

The following table lists the wired ethernet Local Area Network (LAN) specifications of your Dell Pro Max Tower T2 FCT2250.


Table 9. Ethernet specifications

Description	Values
Model	Intel i219-LM
Transfer rate	10/100/1000 Mbps

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your Dell Pro Max Tower T2 FCT2250.

Table 10. Wireless module specifications

Description	Option one	Option two
Model number	Intel Wi-Fi 7 BE200	Qualcomm Wi-Fi 7 DBS WCN7851
Transfer rate	Up to 5760 Mbps	Up to 5760 Mbps
Frequency bands supported	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> Wi-Fi 802.11a/b/g Wi-Fi 4 (Wi-Fi 802.11n) Wi-Fi 5 (Wi-Fi 802.11ac) Wi-Fi 6E (Wi-Fi 802.11ax) Wi-Fi 7 (Wi-Fi 802.11be) 	<ul style="list-style-type: none"> Wi-Fi 802.11a/b/g Wi-Fi 4 (Wi-Fi 802.11n) Wi-Fi 5 (Wi-Fi 802.11ac) Wi-Fi 6 (Wi-Fi 802.11ax) Wi-Fi 7 (Wi-Fi 802.11be)
Encryption	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP 	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP
Bluetooth wireless card  NOTE: The functionality of the Bluetooth wireless card may vary based on the operating system.	Bluetooth 5.4 wireless card	Bluetooth 5.4 wireless card

Audio

The following table lists the audio specifications of your Dell Pro Max Tower T2 FCT2250.

Table 11. Audio specifications

Description	Values
Audio type	High Definition Audio
Audio controller	Realtek ALC3204
Internal audio interface	High Definition Audio (HDA) interface
External audio interface	One global headset jack

Storage

This section lists the storage options on your Dell Pro Max Tower T2 FCT2250.

Table 12. Storage specifications

Storage type	Interface type	Capacity
3.5-inch, 5400 RPM, hard drive	SATA AHCI, up to 6 Gbps	4 TB
3.5-inch, 7200 RPM, hard drive	SATA AHCI, up to 6 Gbps	1 TB
3.5-inch, 7200 RPM, hard drive	SATA AHCI, up to 6 Gbps	2 TB
3.5-inch, 7200 RPM, hard drive, SAS, Enterprise hard drive	SATA AHCI, up to 6 Gbps	4 TB
3.5-inch, 7200 RPM hard drive, SAS, Enterprise hard drive	SATA AHCI, up to 6 Gbps	8 TB
M.2 2230 solid-state drive, Class 35	PCIe Gen4 x4 NVMe, up to 64 GT/s	256 GB
M.2 2280 self-encrypting Opal 2.0 solid-state drive, Class 40	PCIe Gen4 x4 NVMe, up to 64 GT/s	512 GB
M.2 2280 self-encrypting Opal 2.0 solid-state drive, Class 40	PCIe Gen4 x4 NVMe, up to 64 GT/s	1 TB
M.2 2280 self-encrypting Opal 2.0 solid-state drive, Class 40	PCIe Gen4 x4 NVMe, up to 64 GT/s	2 TB
M.2 2280 self-encrypting Opal 2.0 solid-state drive, Class 40	PCIe Gen4 x4 NVMe, up to 64 GT/s	4 TB
M.2 2280 self-encrypting Opal 2.0 solid-state drive, Class 40	PCIe Gen5 x4 NVMe, up to 128 GT/s	1 TB

Storage matrix

The following table lists the storage configurations supported on your Dell Pro Max Tower T2 FCT2250.

Your Dell Pro Tower FCT2250 supports a combination of the following storage configurations:

- One 3.5-inch hard drive in 5.25 bay as front I/O option + one slim optical drive in 5.25 bay as front I/O option + two internal 3.5-inch hard drive or one half-height 5.25-inch device in 5.25 bay as front I/O option + two internal 3.5-inch hard drive
- Up to three M.2 2230/2280 solid-state drives

The primary drive of your Dell Pro Tower FCT2250 varies with the storage configuration. For computers:

- with a M.2 drive, the M.2 drive is the primary drive
- without a M.2 drive, the 3.5-inch hard drive is the primary drive

Media-card reader

The following table provides the specification of media cards that are supported by your Dell Pro Max Tower T2 FCT2250.

Table 13. Media-card reader specifications

Description	Values
Media-card slot type	One SD Express 7.0 slot
Media-cards supported	<ul style="list-style-type: none"> • Secure Digital (SD) • Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC)
NOTE: The maximum capacity of the media-card reader varies depending on the standard of the media card that is inserted in your computer.	

RAID (Redundant Array of Independent Disks)

For optimal performance when configuring drives as a RAID volume, Dell Technologies recommends drive models that are identical.

NOTE: RAID is not supported on Intel Optane configurations.

RAID 0 (Striped, Performance) volumes benefit from higher performance when drives are matched because the data is split across multiple drives: any I/O operations with block sizes larger than the stripe size splits the I/O and become constrained by the slowest of the drives. For RAID 0 I/O operations where block sizes are smaller than the stripe size, whichever drive the I/O operation targets determine the performance, which increases variability and results in inconsistent latencies. This variability is particularly pronounced for write operations, and it can be problematic for applications that are latency sensitive. One such example of this is any application that performs thousands of random writes per second in small block sizes.

RAID 1 (Mirrored, Data Protection) volumes benefit from higher performance when drives are matched because the data is mirrored across multiple drives: all I/O operations must be performed identically to both drives, thus variations in drive performance when the models are different, results in the I/O operations completing only as fast as the slowest drive. While this does not suffer the variable latency issue in small random I/O operations as with RAID 0 across heterogeneous drives, the impact is nonetheless large because the higher performing drive becomes limited in all I/O types. One of the worst examples of constrained performance here is when using unbuffered I/O. To ensure that writes are fully committed to nonvolatile regions of the RAID volume, unbuffered I/O bypasses cache (for example by using the Force Unit Access bit in the NVMe protocol) and the I/O operation will not complete until all the drives in the RAID volume have completed the request to commit the data. This kind of I/O operation completely negates any advantage of a higher performing drive in the volume.

RAID 5 provides better performance by using data striping and protection through parity. The disadvantage of RAID 5 is that rebuilding a large RAID 5 volume requires a longer period of time. The following are the key features of RAID 5:

- Requires at least three drives.
- Data is available even if ones of the drives present in the volume fails. The failed drive must be replaced, and the volume must be rebuilt for the data to be accessible.
- The total capacity is N-1, where N is the total capacity of the drives in the array. For example, if you use three 1 TB drives in a RAID 5 array, the total volume size is 2 TB.

Care must be taken to match not only the drive vendor, capacity, and class, but also the specific model. Drives from the same vendor, with the same capacity, and even within the same class, can have different performance characteristics for certain types of I/O operations. Thus, matching by model ensures that the RAID volume is comprised of a homogeneous array of drives that deliver all the benefits of a RAID volume without incurring the additional penalties when one or more drives in the volume are lower performing.

Dell Pro Max Tower T2 FCT2250 supports RAID with more than one hard drive configuration.

Power ratings

The following table lists the power rating specifications of Dell Pro Max Tower T2 FCT2250.

Table 14. Power ratings

Description	Option one	Option two	Option three
Type	360 W, Platinum	500 W, Platinum	1500 W, Platinum
Input voltage	90 VAC–264 VAC	90 VAC–264 VAC	90 VAC–264 VAC
Input frequency	47 Hz–63 Hz	47 Hz–63 Hz	47 Hz–63 Hz
Input current (maximum)	5 A	7 A	13.5 A
Output current (continuous)	Operating: <ul style="list-style-type: none"> 12 VA: 18 A 12 VB: 18 A 12 VC: 13 A Storage: <ul style="list-style-type: none"> 12 VA: 1.50 A 12 VB: 3.30 A 12 VC: 0 A 	Operating: <ul style="list-style-type: none"> 12 VA: 18 A 12 VB: 18 A 12 VC: 18 A Storage: <ul style="list-style-type: none"> 12 VA: 1.50 A 12 VB: 3.30 A 12 VC: 0 A 	Operating: <ul style="list-style-type: none"> 12 VA: 44 A 12 VB: 36 A 12 VC: 86 A Storage: <ul style="list-style-type: none"> 12 VA: 1.50 A 12 VB: 5.0 A 12 VC: 0 A
Rated output voltage	<ul style="list-style-type: none"> 12 VA 12 VB 12 VC 	<ul style="list-style-type: none"> 12 VA 12 VB 12 VC 	<ul style="list-style-type: none"> 12 VA 12 VB 12 VC
Temperature range:			
Operating	5°C to 45°C (41°F to 113°F)	5°C to 45°C (41°F to 113°F)	5°C to 45°C (41°F to 113°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

Power supply connector

The following table lists the Power supply connector specifications of your Dell Pro Max Tower T2 FCT2250.

Table 15. Power supply connector

Power supply	Connectors
360 W internal power supply unit (PSU), 80 Plus Platinum	<ul style="list-style-type: none"> Two 4-pin connectors for the processor One 8-pin connector for the system board One 8-pin header for graphic card
500 W internal power supply unit (PSU), 80 Plus Platinum	<ul style="list-style-type: none"> One 12-pin header for the processor One 14-pin header for the system board One 8-pin header for graphic card
1500 W internal power supply unit (PSU),(80 PLUS Platinum)	<ul style="list-style-type: none"> One 12-pin header for the processor One 14-pin header for the system board Two 6-pin and two 8-pin headers for the graphic card

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell Pro Max Tower T2 FCT2250.

Table 16. GPU—Integrated

Controller	Memory size	Processor
Intel Graphics	Shared system memory	Intel Core Ultra 5/7/9

GPU—Discrete

The following table lists the specifications of the discrete graphics processing unit (GPU) supported by your Dell Pro Max Tower T2 FCT2250.

Table 17. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA RTX A400	4 GB	GDDR6
NVIDIA RTX A1000	8 GB	GDDR6
NVIDIA RTX 2000 Ada	16 GB	GDDR6
NVIDIA RTX 4000 Ada	20 GB	GDDR6
NVIDIA RTX 4500 Ada	24 GB	GDDR6
NVIDIA RTX 5000 Ada	32 GB	GDDR6
NVIDIA RTX 6000 Ada	48 GB	GDDR6
AMD Radeon Pro W7500	8 GB	GDDR6
AMD Radeon PRO W7600	8 GB	GDDR6

Video port resolution

The following table lists the video port resolution for your Dell Pro Max Tower T2 FCT2250.

Table 18. Video port resolution

Graphics card	Video ports	Maximum supported resolution
NVIDIA RTX A400	<ul style="list-style-type: none">Four mini DisplayPort 1.4a	<ul style="list-style-type: none">4096 x 2160 @ 120 Hz5120 x 2880 @ 60 Hz
NVIDIA RTX A1000	<ul style="list-style-type: none">Three mini DisplayPort 1.4a	<ul style="list-style-type: none">4096 x 2160 @ 120 Hz5120 x 2880 @ 60 Hz7680 x 4320 @ 30 Hz
NVIDIA RTX 2000 Ada	<ul style="list-style-type: none">Four mini DisplayPort 1.4a	<ul style="list-style-type: none">4096 x 2160 @ 120 Hz5120 x 2880 @ 60 Hz7680 x 4320 @ 60 Hz
NVIDIA RTX 4000 Ada	<ul style="list-style-type: none">Four DisplayPort 1.4a	<ul style="list-style-type: none">4096 x 2160 @ 120 Hz

Table 18. Video port resolution (continued)

Graphics card	Video ports	Maximum supported resolution
		<ul style="list-style-type: none"> • 5120 x 2880 @ 60 Hz • 7680 x 4320 @ 60 Hz
NVIDIA RTX 4500 Ada	<ul style="list-style-type: none"> • Four DisplayPort 1.4a 	<ul style="list-style-type: none"> • 4096 x 2160 @ 120 Hz • 5120 x 2880 @ 60 Hz • 7680 x 4320 @ 60 Hz
NVIDIA RTX 5000 Ada	<ul style="list-style-type: none"> • Four DisplayPort 1.4a 	<ul style="list-style-type: none"> • 4096 x 2160 @ 120 Hz • 5120 x 2880 @ 60 Hz • 7680 x 4320 @ 60 Hz
NVIDIA RTX 6000 Ada	<ul style="list-style-type: none"> • Four DisplayPort 1.4a 	<ul style="list-style-type: none"> • 4096 x 2160 @ 120 Hz • 5120 x 2880 @ 60 Hz • 7680 x 4320 @ 60 Hz
AMD Radeon Pro W7500	<ul style="list-style-type: none"> • Four DisplayPort 2.1 	<ul style="list-style-type: none"> • 3840 x 2160 @ 120 Hz • 5120 x 2880 @ 60 Hz • 7680 x 4320 @ 60 Hz
AMD Radeon Pro W7600	<ul style="list-style-type: none"> • Four DisplayPort 2.1 	<ul style="list-style-type: none"> • 3840 x 2160 @ 120 Hz • 5120 x 2880 @ 60 Hz • 7680 x 4320 @ 60 Hz

Hardware security

The following table lists the hardware security of your Dell Pro Max Tower T2 FCT2250.

Table 19. Hardware security

Hardware security
Chassis intrusion switch
Chassis lock slot support
Intel Authenticate
Intel Secure Boot
Security-cable slot (Kensington lock)
Local hard drive data wipe through BIOS (Secure Erase)
Lockable cable covers
Microsoft 10 Device Guard and Credential Guard (Enterprise SKU)
Microsoft Windows BitLocker
SafeBIOS: includes Dell Off-host BIOS Verification, BIOS Resilience, BIOS Recovery, and additional BIOS Controls
SafelD including Trusted Platform Module (TPM) 2.0
Self-encrypting storage drives (Opal, FIPS)
Smart card keyboard (FIPS)
Supply chain tamper alerts
Trusted Platform Module TPM 2.0