

Precision 7865 Tower

Technical Guidebook

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.

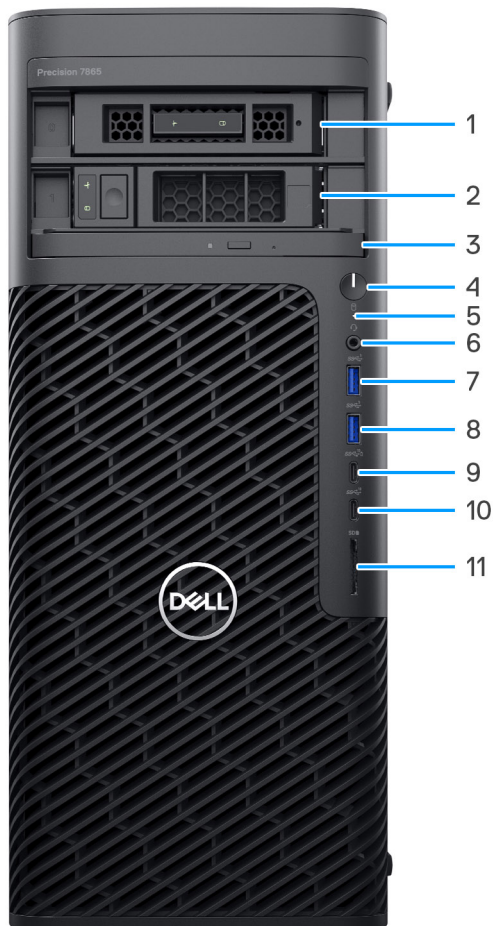
Chapter 1: Views of Precision 7865 Tower	5
Front.....	5
Back.....	6
System-board callouts.....	7
Chapter 2: Specifications of Precision 7865 Tower	9
Dimensions and weight.....	9
Processor.....	9
Chipset.....	10
Operating system.....	10
Memory.....	10
Memory matrix.....	11
External ports.....	12
Internal slots.....	13
Ethernet.....	13
Wireless module.....	13
Audio.....	14
Storage.....	14
Storage Matrix.....	15
RAID.....	16
Media-card reader.....	16
Power ratings.....	17
Power supply connector.....	17
GPU—Discrete.....	17
Video port resolution.....	18
Hardware security.....	19
Environmental.....	19
Regulatory compliance.....	20
Operating and storage environment.....	20
Chapter 3: Engineering specifications	22
Physical system dimensions.....	22
Add-in card dimensions.....	22
Slot limitations.....	22
PCIe add-in cards.....	23
USB 4.0 Type-C PCIe card.....	23
UltraSpeed Duo M.2 PCIe card.....	24
UltraSpeed Quad M.2 PCIe card.....	25
Ethernet.....	25
Realtek RTL8111-EPP Ethernet	25
Marvel AQC113CS	26
Intel Ethernet Connection i225.....	27
Intel Ethernet Network Adapter X710 GbE NIC Card.....	27
Wireless module.....	28

Qualcomm WCN6856, 2x2, Wi-Fi 6E DBS, Bluetooth 5.3.....	28
GPU—Discrete.....	30
NVIDIA GeForce RTX 3090, 24 GB, GDDR6.....	30
NVIDIA GeForce RTX 3080, 10 GB, GDDR6.....	30
NVIDIA RTX A6000, 48 GB GDDR6.....	31
NVIDIA RTX A5500, 24 GB GDDR6.....	32
NVIDIA RTX A4500, 20 GB GDDR6.....	32
NVIDIA RTX A4000, 16 GB GDDR6.....	33
NVIDIA RTX A2000, 12 GB GDDR6.....	33
NVIDIA T1000, 8 GB GDDR6.....	34
NVIDIA T400, 4 GB GDDR6.....	35
NVIDIA Quadro GV100, 32 GB HBM2.....	35
AMD Radeon RX 6900 XT, 16 GB GDDR6.....	36
AMD Radeon Pro W6800, 16 GB GDDR6.....	37
AMD Radeon Pro W6600, 8 GB GDDR6.....	37
AMD Radeon Pro W6400, 4 GB GDDR6.....	38
GPU and PSU matrix.....	39
Video port and resolution matrix.....	40
Storage preloaded bracket matrix.....	40
Storage.....	40
2.5-inch, 500 GB, 7200 RPM, SATA, HDD	40
3.5-inch, 1 TB, 7200 RPM, SATA, HDD	41
3.5-inch, 4 TB, 7200 RPM, SATA, Enterprise HDD	41
3.5-inch, 8 TB, 7200 RPM, SATA, Enterprise HDD.....	42
M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Class 35 SSD.....	43
M.2 2280, 4 TB, PCIe NVMe Gen4 x4, Class 40 SSD.....	43
M.2 2280, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD.....	44
M.2 2280, 1 TB, PCIe NVMe Gen4 x4, Class 40 SSD.....	44
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive.....	45
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive.....	46
Media-card reader	46
Power ratings.....	47
Thermal dissipation.....	48
CMOS battery.....	48
Accessories.....	48
Security.....	48
Software security.....	48
Trusted Platform Module.....	49
Acoustic noise emission information tower.....	49
Chassis enclosure and ventilation requirements.....	50
System management features.....	50
Dell Client Command Suite for In-Band systems management	50

Chapter 4: Getting help and contacting Dell..... 52

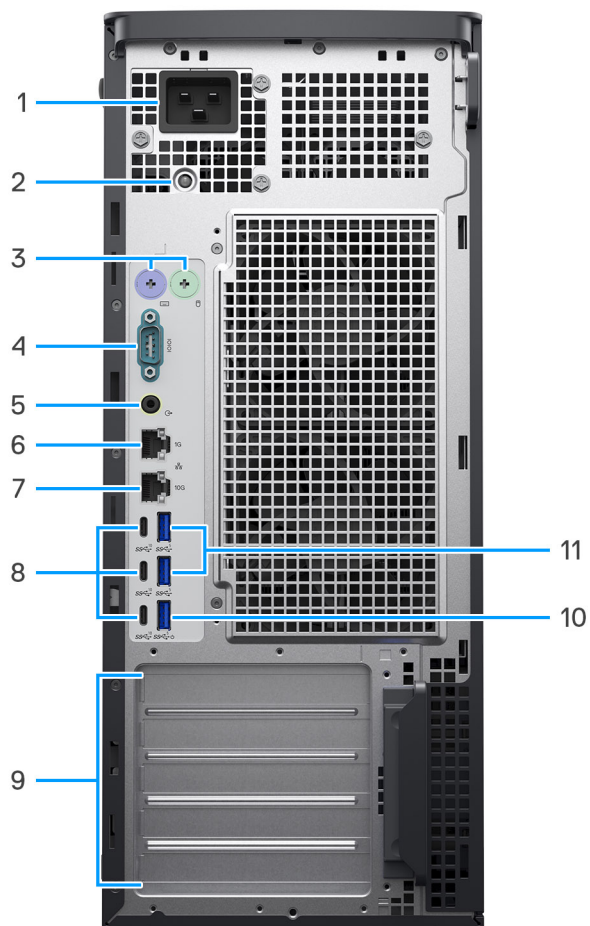
Views of Precision 7865 Tower

Front



1. Externally facing M.2 flexbay (optional)
2. Externally facing SATA flexbay (optional)
3. Slim optical-drive (optional)
4. Power button
5. Hard-drive activity light
6. Universal audio port
7. USB 3.2 Gen 1 port
8. USB 3.2 Gen 1 port
9. USB 3.2 Gen 2 Type-C port with PowerShare
10. USB 3.2 Gen 2 Type-C port
11. SD-card reader

Back



1. Power port
i **NOTE:** This is a C20 inlet port.
2. Power-supply diagnostics light
3. PS2 port (optional)
4. Serial port (optional)
5. Line-out audio port
6. RJ45 Ethernet port (1 Gbps)
7. RJ45 Ethernet port (10 Gbps)
8. Three USB 3.2 Gen 2 Type-C ports
9. Five PCIe Gen4 expansion slots
10. USB 3.2 Gen 1 port with Smart Power On
11. Two USB 3.2 Gen 1 ports

System-board callouts

This topics provides detailed callouts for the connectors on the system board:

System-board callouts

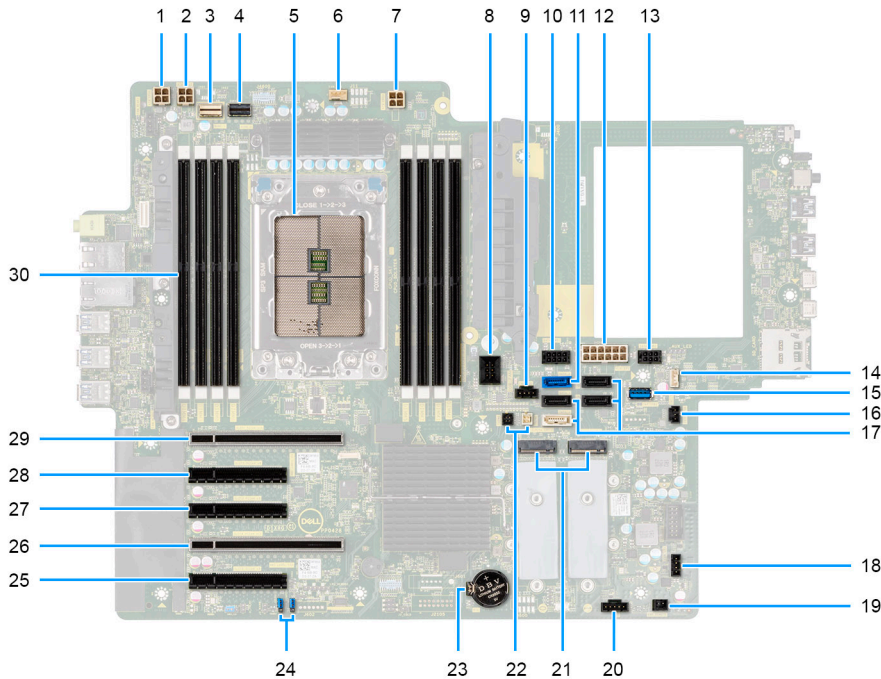


Table 1. Precision 7865 tower system board callouts

No	Connector	Description
1	ATX CPU1	4-pin processor power connector
2	ATX CPU2	4-pin processor power connector
3	NVME1	NVMe connector for externally facing M.2 flexbay drive
4	NVME0	NVMe connector for externally facing M.2 flexbay drive
5	CPU0_SKT	Processor socket
6	FAN_CPU	Processor fan connector
7	ATX CPU3	4-pin processor power connector
8	DDR FAN	Memory-module fan connector
9	FAN HDD	Hard-drive fan connector
10	SATA PWR1	SATA power connector
11	SATA-0	Primary SATA Hard drive data cable connector
12	ATX SYS	System-board power connector
13	SATA PWR2	SATA power connector
14	INT SPKR	Internal-speaker connector

Table 1. Precision 7865 tower system board callouts (continued)


No	Connector	Description
15	INT USB2	USB 3.2 Gen1 port to accommodate standard USB storage key
16	INTRUSION	Intrusion switch connector
17	<ul style="list-style-type: none"> ● SATA-1 ● SATA-2 ● SATA-3 ● SATA-4 	<ul style="list-style-type: none"> ● SATA device data cable connector ● SATA device data cable connector ● SATA device data cable connector ● SATA device data cable connector
18	FAN SYS	System fan connector
19	PWR REMOTE	Remote power-switch connector
20	TBT	Thunderbolt add-in card connector
21	<ul style="list-style-type: none"> ● M.2 PCIe SSD-0 ● M.2 PCIe SSD-1 	<ul style="list-style-type: none"> ● M.2280/M.2230 Solid-state drive socket ● M.2280/M.2230 Solid-state drive socket
22	<ul style="list-style-type: none"> ● THRM0 ● THRM1 	<ul style="list-style-type: none"> ● Thermal sensor 0 connector ● Thermal sensor 1 connector
23	RTC	Coin cell battery
24	JUMPER	TPM jumper
25	SLOT5 PCIe4 x8	PCI Express Gen 4 x8 slot
26	SLOT4 PCIe4 x16	PCI Express Gen 4 x16 slot
27	SLOT3 PCIe4 x8	PCI Express Gen 4 x8 slot
28	SLOT2 PCIe4 x8	PCI Express Gen 4 x8 slot
29	SLOT1 PCIe4 x16	PCI Express Gen 4 x16 slot
30	DIMM1 - DIMM8	Memory module connectors

Specifications of Precision 7865 Tower

Dimensions and weight

The following table lists the height, width, depth, and weight of your Precision 7865 Tower.

Table 2. Dimensions and weight

Description	Values
Height	<ul style="list-style-type: none"> 414.00 mm (16.29 in.) 417.90 mm (16.45 in.) with rubber foot protruding
Width	<ul style="list-style-type: none"> 172.60 mm (6.79 in.) 176.50 mm (6.94 in.) with rubber foot protruding
Depth	<ul style="list-style-type: none"> 429.60 mm (16.90 in.) 452.10 mm (17.79) with lock structure protruding
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	<ul style="list-style-type: none"> Minimum: 16.10 kg (35.5 lbs.) Maximum: 21.90 kg (48.28 lbs.)

Processor

The following table lists the details of the processors supported by your Precision 7865 Tower.

Table 3. Processor

Description	Option one	Option two	Option three	Option four	Option five
Processor type	AMD Ryzen Threadripper PRO 5945WX	AMD Ryzen Threadripper PRO 5955WX	AMD Ryzen Threadripper PRO 5965WX	AMD Ryzen Threadripper PRO 5975WX	AMD Ryzen Threadripper PRO 5995WX
Processor wattage	280 W	280 W	280 W	280 W	280 W
Processor core count	12	16	24	32	64
Processor thread count	24	32	48	64	128
Processor speed	4.10 GHz to 4.55 GHz	4.00 GHz to 4.55 GHz	3.80 GHz to 4.55 GHz	3.60 GHz to 4.55 GHz	2.70 GHz to 4.55 GHz
Processor cache	64 MB	64 MB	128 MB	128 MB	256 MB
Integrated graphics	Not supported	Not supported	Not supported	Not supported	Not supported

Chipset

The following table lists the details of the chipset supported by your Precision 7865 Tower.

Table 4. Chipset

Description	Values
Chipset	AMD WRX80 Premium
Processor	AMD Ryzen Threadripper PRO 5000
DRAM bus width	64-bit
Flash EPROM	32 MB + 16 MB
PCIe bus	Up to Gen 4.0
Non-volatile memory	Yes
BIOS configuration Serial Peripheral Interface (SPI)	256 Mbit (32 MB) located at SPI_FLASH
Trusted Platform Module (TPM) 2.0 (Discrete TPM Enabled)	24 KB located at TPM 2.0 on chipset
Firmware-TPM (Discrete TPM disabled)	By default the Platform Trust Technology feature is visible to the operating system.
NIC EEPROM	LOM configuration contained within SPI flash ROM instead of LOM e-fuse

Operating system

Your Precision 7865 Tower supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Pro Downgrade (Windows 10 Pro Image-factory installed)
- Windows 11 CMIT Government Edition, 64-bit (China only)
- Red Hat Enterprise Linux 8.6
- Ubuntu Linux 20.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Precision 7865 Tower.

Table 5. Memory specifications

Description	Values
Memory slots	Eight DIMM slots
Memory type	DDR4
Memory speed	3200 MHz
Maximum memory configuration	1024 GB
Minimum memory configuration	8 GB

Table 5. Memory specifications (continued)

Description	Values
Memory size per slot	8 GB, 16 GB, 32 GB, 64 GB, 128 GB
Memory configurations supported	<ul style="list-style-type: none"> • 8 GB, 1 x 8 GB, DDR4, 3200 MHz, ECC • 16 GB, 1 x 16 GB, DDR4, 3200 MHz, ECC • 16 GB, 2 x 8 GB, DDR4, 3200 MHz, ECC • 32 GB, 1 x 32 GB, DDR4, 3200 MHz, ECC • 32 GB, 2 x 16 GB, DDR4, 3200 MHz, ECC • 32 GB, 4 x 8 GB, DDR4, 3200 MHz, ECC • 64 GB, 1 x 64 GB, DDR4, 3200 MHz, ECC • 64 GB, 2 x 32 GB, DDR4, 3200 MHz, ECC • 64 GB, 4 x 16 GB, DDR4, 3200 MHz, ECC • 64 GB, 8 x 8 GB, DDR4, 3200 MHz, ECC • 128 GB, 1 x 128 GB, DDR4, 3200 MHz, ECC • 128 GB, 2 x 64 GB, DDR4, 3200 MHz, ECC • 128 GB, 4 x 32 GB, DDR4, 3200 MHz, ECC • 128 GB, 8 x 16 GB, DDR4, 3200 MHz, ECC • 256 GB, 2 x 128 GB, DDR4, 3200 MHz, ECC • 256 GB, 4 x 64 GB, DDR4, 3200 MHz, ECC • 256 GB, 8 x 32 GB, DDR4, 3200 MHz, ECC • 512 GB, 4 x 128 GB, DDR4, 3200 MHz, ECC • 512 GB, 8 x 64 GB, DDR4, 3200 MHz, ECC • 1024 GB, 8 x 128 GB, DDR4, 3200 MHz, ECC

Memory matrix

The following table lists the memory configurations supported on your Precision 7865 Tower.

Table 6. Memory matrix

Config uration	Slot							
	DIMM1	DIMM2	DIMM3	DIMM4	DIMM5	DIMM6	DIMM7	DIMM8
8 GB DDR4	8 GB							
16 GB DDR4	16 GB							
16 GB DDR4	8 GB	8 GB						
32 GB DDR4	32 GB							
32 GB DDR4	8 GB	8 GB	8 GB	8 GB				
32 GB DDR4	16 GB	16 GB						
64 GB DDR4	64 GB							

Table 6. Memory matrix (continued)

64 GB DDR4	32 GB	32 GB						
64 GB DDR4	16 GB	16 GB	16 GB	16 GB				
64 GB DDR4	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB
128 GB DDR4	128 GB							
128 GB DDR4	64 GB	64 GB						
128 GB DDR4	32 GB	32 GB	32 GB	32 GB				
128 GB DDR4	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
256 GB DDR4	128 GB	128 GB						
256 GB DDR4	64 GB	64 GB	64 GB	64 GB				
256 GB DDR4	32 GB	32 GB	32 GB	32 GB	32 GB	32 GB	32 GB	32 GB
512 GB DDR4	128 GB	128 GB	128 GB	128 GB				
512 GB DDR4	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB
1024 GB DDR4	128 GB	128 GB	128 GB	128 GB	128 GB	128 GB	128 GB	128 GB

External ports

The following table lists the external ports of your Precision 7865 Tower.

Table 7. External ports

Description	Values
Network port	<ul style="list-style-type: none"> One RJ45 Ethernet port, 1 GbE (rear) One RJ45 Ethernet port, 10 GbE (rear)
USB ports	<ul style="list-style-type: none"> Two USB 3.2 Gen 1 ports (front) One USB 3.2 Gen 2 Type-C port with PowerShare (front) One USB 3.2 Gen 2 Type-C port (front) Three USB 3.2 Gen 2 Type-C ports (rear) Two USB 3.2 Gen 1 ports (rear) One USB 3.2 Gen 1 port with Smart Power On (rear)
Audio port	<ul style="list-style-type: none"> One Universal audio port (front) One line-out audio port (rear)
Video port	via Discrete GPU
Media-card reader	One SD-card 6.0 slot (front)

Table 7. External ports (continued)

Description	Values
Power-adaptor port	Not supported
Security-cable slot	<ul style="list-style-type: none"> One Kensington security-cable slot One Padlock ring

Internal slots

The following table lists the internal slots of your Precision 7865 Tower.

Table 8. Internal slots

Description	Values
SATA	<ul style="list-style-type: none"> Two SATA 3.0 slots for 3.5-inch/2.5-inch hard drive and slim optical drive Two SATA 3.0 slots for externally facing storage flexbay
PCIe Expansion	<ul style="list-style-type: none"> Two full-height Gen4 PCIe x16 slot Three full-height Gen4 PCIe x8 slot
M.2	<ul style="list-style-type: none"> Two M.2 2230/2280 slot for PCIe NVMe Gen4 solid-state drive Two M.2 2230/2280 slot for externally facing PCIe NVMe Gen4 storage flexbays <p>NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article 000144170 at www.dell.com/support.</p>

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Precision 7865 Tower.

Table 9. Ethernet specifications

Description	Values
Model number	<ul style="list-style-type: none"> Realtek RTL8111-EPP USB 2.0 for DASH Manageability Marvel AQC113CS
Transfer rate	<ul style="list-style-type: none"> 1 Gbps 10 Gbps


Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Precision 7865 Tower.

Table 10. Wireless module specifications

Description	Values
Model number	Qualcomm WCN6856-DBS
Transfer rate	Up to 3571 Mbps

Table 10. Wireless module specifications (continued)

Description	Values
Frequency bands supported	2.4 GHz/5 GHz /6 GHz  NOTE: The 6 GHz frequency is supported on computers installed with Windows 11 operating system only.
Wireless standards	<ul style="list-style-type: none"> • WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none"> • 64-bit and 128-bit WEP • AES-CCMP • TKIP
Bluetooth	5.3

Audio

The following table lists the audio specifications of your Precision 7865 Tower.

Table 11. Audio specifications

Description	Values	
Audio controller	Realtek Audio Controller ALC4050-CG	
Stereo conversion	24-bit DAC (Digital-to-Analog) and ADC (Analog-to-Digital)	
Internal audio interface	USB	
External audio interface	<ul style="list-style-type: none"> • One Universal audio port (front) • One line-out audio port (rear) 	
Number of speakers	One (internal)	
Internal-speaker amplifier	Not supported	
External volume controls	Not supported	
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output	Not supported	
Microphone	Via Universal audio port	

Storage

This section lists the storage options on your Precision 7865 Tower.

Your system supports one or more of the following storage drives:

- Two 2.5-inch hard drives (internal)
- Two 2.5-inch hard drive (via externally facing storage flexbays)

- Two 3.5-inch hard drives, internal
- Two 3.5-inch hard drive (via externally facing storage flexbays)
- Two M.2 solid-state drives, internal
- Two M.2 solid-state drive (via externally facing storage flexbays)

i **NOTE:** The system supports a maximum of two externally facing storage flexbay slots.

Table 12. Storage specifications

Storage type	Interface type	Capacity
2.5-inch, 7200 RPM, hard-disk drive	SATA 3.0	500 GB
3.5-inch, 7200 RPM, hard-disk drive	SATA 3.0	1 TB
3.5-inch, 7200 RPM, Enterprise hard-disk drive	SATA 3.0	Up to 8 TB
M.2 2230, SSD, Class 35	PCIe NVMe Gen4 x4	256 GB
M.2 2280, SSD, Class 40	PCIe NVMe Gen4 x4	Up to 4 TB
M.2 2280, SSD, Class 40, Opal Self-Encrypting Opal 2.0, FIPS	PCIe NVMe Gen4 x4	Up to 1 TB



Storage Matrix


This section lists the storage options on your Precision 7865 Tower.

Table 13. Storage matrix

Chassis type	Type 1	Type 2	Type 3	Type 4	Type 5
Storage configurations	Standard: 2 x SATA	Blank/open (empty) flexbay			
Flexbay mechanical assembly	SATA + SATA (already installed)	M.2 SSD + M.2 SSD	M.2 SSD + SATA	M.2 SSD + Half-height ODD	SATA + Half-height ODD
Boot-drive option	M.2 SSD	M.2 SSD	M.2 SSD	M.2 SSD	M.2 SSD
Upper flexbay option	2.5-inch / 3.5-inch SATA	M.2 SSD boot	M.2 SSD boot	M.2 SSD boot	2.5-inch / 3.5-inch SATA
Lower flexbay option	2.5-inch / 3.5-inch SATA	M.2 SSD	2.5-inch / 3.5-inch SATA	None i NOTE: Slot occupied by half-height ODD	None i NOTE: Slot occupied by half-height ODD
First internal SATA option	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA
Second internal SATA option	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA	2.5-inch / 3.5-inch SATA
First internal M.2 option	M.2 SSD Boot	M.2 SSD	M.2 SSD	M.2 SSD	M.2 SSD Boot
Second internal M.2 option	M.2 SSD	M.2 SSD	M.2 SSD	M.2 SSD	M.2 SSD
Optical drive option	Slimline	Slimline	Slimline	Half-height ODD required	Half-height ODD required

Table 13. Storage martix (continued)

Chassis type	Type 1	Type 2	Type 3	Type 4	Type 5
Locking bezel options (SATA only)	Qty 2	None  NOTE: No SATA flexbays	Qty 1	None  NOTE: No SATA flexbays	Qty 1

 **NOTE:** M.2 NVMe Flexbays include locking bezels by default.

RAID

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

Table 14. RAID (Redundant Array of Independent Disks)

Type	Supported
RAID 0	Yes
RAID 1	Yes
RAID 5	Yes
RAID 10	Yes


Precision 7865 Tower supports RAID with more than one hard drive configuration.

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 very different performance characteristics for certain types of IO operations. Thus, matching by model ensures that the RAID volumes are comprised of an homogeneous array of drives that will deliver all the benefits of a RAID volume without incurring the additional penalties when one or more drives in the volume are lower performing.

Media-card reader

The following table lists the media cards supported by your Precision 7865 Tower.

Table 15. Media-card reader specifications

Description	Values
Media-card type	One SD-card 6.0 slot
Media-cards supported	<ul style="list-style-type: none"> Secure Digital (mSD) Secure Digital High Capacity (mSDHC) Secure Digital Extended Capacity (mSDXC)
 NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Power ratings

The following table lists the power rating specifications of Precision 7865 Tower.

Table 16. Power ratings

Description	Values
Type	1350 W Platinum internal power supply
Input voltage	90 VAC-264 VAC
Input frequency	47 Hz-63 Hz
Input current (maximum)	16 A
Output current (continuous)	Operating: <ul style="list-style-type: none"> • 12 VA / 42 A • 12 VB / 36 A • 12 VC / 72 A Standby mode: <ul style="list-style-type: none"> • 12 VA / 1.5 A • 12 VB / 5 A
Rated output voltage	<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)
Storage	-40°C to 70°C (-40°F to 158°F)

Power supply connector

The following table lists the Power supply connector specifications of your Precision 7865 Tower.

Table 17. Power supply connector

1350 W (Platinum)	<ul style="list-style-type: none"> • Three 4-pin connectors for processor • One 12-pin connector for system board • Four 8-pin (6 + 2) auxiliary connectors for expansion cards
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NOTE: This workstation uses high wattage power supply unit and has to be connected to a PDU (Power Distribution Unit) at all times for protection of equipment.

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Precision 7865 Tower.

Table 18. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA GeForce RTX 3090	24 GB	GDDR6

Table 18. GPU—Discrete (continued)

Controller	Memory size	Memory type
NVIDIA GeForce RTX 3080	10 GB	GDDR6
NVIDIA RTX A6000	48 GB	GDDR6
NVIDIA RTX A5500	24 GB	GDDR6
NVIDIA RTX A4500	20 GB	GDDR6
NVIDIA RTX A4000	16 GB	GDDR6
NVIDIA RTX A2000	12 GB	GDDR6
NVIDIA T1000	8 GB	GDDR6
NVIDIA T400	4 GB	GDDR6
NVIDIA Quadro GV100	32 GB	HBM2
AMD Radeon RX 6900 XT	16 GB	GDDR6
AMD Radeon Pro W6800	32 GB	GDDR6
AMD Radeon Pro W6600	8 GB	GDDR6
AMD Radeon Pro W6400	4 GB	GDDR6

Video port resolution

The following table lists the video port resolution for your Precision 7865 Tower.

Table 19. Video port resolution












Graphics card	Video ports	Maximum supported resolution
NVIDIA GeForce RTX 3090	<ul style="list-style-type: none"> Three DP 1.4 ports One HDMI 2.1 port 	7680 x 4320 @60 Hz  NOTE: Requires DSC
NVIDIA GeForce RTX 3080	<ul style="list-style-type: none"> Three DP 1.4 ports One HDMI 2.1 port 	7680 x 4320 @60 Hz  NOTE: Requires DSC
NVIDIA RTX A6000	Four DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC
NVIDIA RTX A5500	Four DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC
NVIDIA RTX A4500	Four DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC
NVIDIA RTX A4000	Four DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC

Table 19. Video port resolution (continued)

Graphics card	Video ports	Maximum supported resolution
NVIDIA RTX A2000	Four mini-DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC
NVIDIA T1000	Four mini-DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC
NVIDIA T400	Three mini-DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires two DPs 1.4a and DSC
NVIDIA Quadro GV100	Four mini-DP 1.2 ports	7680 x 4320 @ 24 bpp at 120Hz  NOTE: Requires four DP 1.3 links
AMD Radeon RX 6900 XT	Three DP 1.4 ports	7680 x 4320 @60 Hz  NOTE: Requires DSC
AMD Radeon Pro W6800	Six mini-DP 1.4 ports	7680 x 4320 @60 Hz
AMD Radeon Pro W6600	Four DP 1.4 ports	7680 x 4320 @60 Hz
AMD Radeon Pro W6400	Two DP 1.4 ports	7680 x 4320 @60 Hz

Hardware security

The following table lists the hardware security of your Precision 7865 Tower.

Table 20. Hardware security

Hardware security
Kensington security-cable slot
Padlock loop
Chassis lock support - Coin locker
Chassis intrusion switch
Lockable bezel for externally-facing storage flexbay (included with M.2 NVMe drives, optional with SATA drives)
TPM 2.0 Discrete Hardware

Environmental

The following table lists the environmental specifications of your Precision 7865 Tower.

Table 21. Environmental

Feature	Values
Recyclable packaging	Yes
BFR/PVC—free chassis	No
Vertical orientation packaging support	Yes

Table 21. Environmental (continued)

Feature	Values
Multi-Pack packaging	No
Energy-Efficient Power Supply	Standard
ENV0424 compliant	Yes

i NOTE: Wood-based fiber packaging contains a minimum of 35% recycled content by total weight of wood-based fiber. Packaging that contains without wood-based fiber can be claimed as Not Applicable. The anticipated required criteria for EPEAT 2018.

Regulatory compliance

The following table lists the regulatory compliance of your Precision 7865 Tower.

Table 22. Regulatory compliance

Regulatory compliance
EPEAT registered configurations available
ENERGY STAR compliant configurations available
TCO 8.0 certified configurations available
US CEC MEPS compliant configurations available
Australia and New Zealand MEPS compliant configurations available
CEL
WEEE
Japan Energy Law
South Korea E-standby
EU RoHS
China RoHS

Operating and storage environment


This table lists the operating and storage specifications of your Precision 7865 Tower.

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 23. Computer environment

Description	Operating	Storage
Temperature range	10°C – 35°C (50°F – 95°F)	-40°C-65°C (-40°F-149°F)
Relative humidity (maximum)	20% to 80% (non-condensing, Max dew point temperature = 26°C)	5% to 95% (non-condensing, Max dew point temperature = 33°C)
Vibration (maximum)*	0.52 GRMS random at 5 Hz to 350 Hz	2.00 GRMS random at 5 Hz to 350 Hz
Shock (maximum)	Bottom half-sine pulse with a change in velocity of 40G, 2.5ms	105G half-sine pulse with a change in velocity of 105G, 2.5ms
Altitude range	-15.2 m to 3048 m (-49 ft to 10,000 ft)	-15.2 m to 10,668 m (-49 ft to 35,000 ft)

Table 23. Computer environment (continued)

Description	Operating	Storage
 CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

Engineering specifications

Physical system dimensions

The following table provides the physical dimensions of your Precision 7865 Tower.

i **NOTE:** System weight and shipping weight are based on a typical configuration and may vary based on your system configuration. A typical configuration includes integrated graphics, one hard drive, and one optical drive.

Table 24. Physical system dimensions

Feature	Values
Chassis volume	30.70 liters
Chassis Weight	Maximum: 21.90 kg (48.28 lbs.) Minimum: 16.10 kg (35.5 lbs.)
Chassis dimensions	
Height	<ul style="list-style-type: none"> 414.00 mm (16.29 in.) 417.90 mm (16.45 in.) with rubber foot protruding
Width	<ul style="list-style-type: none"> 172.60 mm (6.79 in.) 176.50 mm (6.94 in.) with rubber foot protruding
Depth	<ul style="list-style-type: none"> 429.60 mm (16.90 in.) 452.10 mm (17.79) with lock structure protruding
Shipping Weight (includes packaging materials)	<ul style="list-style-type: none"> Minimum: 16.10 kg (35.5 lbs.) Maximum: 21.90 kg (48.28 lbs.)
Packaging dimensions	
Height	578.00 mm (22.75 in.)
Width	308.00 mm (12.12 in.)
Depth	616.00 mm (24.25 in.)

Add-in card dimensions

Slot limitations

The following table lists the system board connector maximum add-in card allowable dimensions of your Precision 7865 Tower.

Table 25. Slot limitations of add-in cards

Feature	Values
PCIe x16 connector	1
Voltage	3.3 V/12 V
Height	4.65 in. (118.15 mm)
Length	12.28 in. (312 mm)

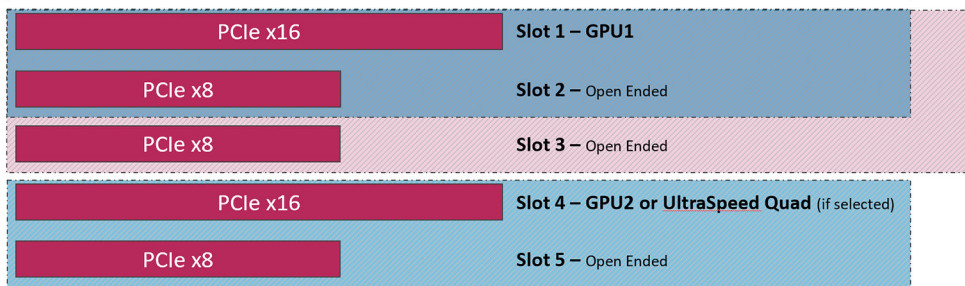
Table 25. Slot limitations of add-in cards (continued)

Feature	Values
Maximum wattage	350 W
PCIe x8 connector	1
Voltage	3.3 V/12 V
Height	4.65 in. (118.15 mm)
Length	12.28 in. (312 mm)
Maximum wattage	25 W

Maximum AIC Depth – 12.75" (324mm) without bracket and bracket retainer removed

Maximum AIC Depth – 12.0" (305mm) without bracket

Maximum AIC Depth – 10.5" (266mm) with bracket



- Slots covered when 2x-width graphics card(s) are installed (maximum 2)
- Slots covered when 2.5x-width graphics card is installed (maximum 1)

Table 26. M.2 2280 slot for solid-state drive

Voltage	3.3 V
Width	0.86 in. (22.00 mm)
Length	3.14 in. (80.00 mm)
Thickness	0.15 in. (3.80 mm)
Maximum Wattage	8.25 W

PCIe add-in cards

USB 4.0 Type-C PCIe card

The following table lists the USB 4.0 Type-C PCIe card specifications.

Table 27. USB 4.0 Type-C card specifications

Feature	Values
Bus	PCIe /USB
Controller	ASM3142

Table 27. USB 4.0 Type-C card specifications (continued)

Feature	Values
USB standard	USB 4.0
IRQ and I/O	System assigned
USB Communication	
Host interface	USB 4.0
Speed	20 G bit/sec
Number of ports	2
USB connector	Type-A
Protection	N/A
Power	
Power source	PCIe bus power
Output power capacity	5 V/1.5 A for each port
Over current protection	Yes
Power consumption	0.796 W @ idle
Operating System	
Supported operating system	<ul style="list-style-type: none"> • Windows 10 • Windows 11
Environment	
Operating temperature	0°C to 60°C (32°F to 140°F)
Operating humidity	5% to 95% RH
Storage temperature	-20°C to 70°C (-4°F to 158°F)
Standards and Certifications	
EMC	CE/FCC/BSMI/VCCI
Green	Rohs

UltraSpeed Duo M.2 PCIe card

The following table lists the UltraSpeed Duo M.2 PCIe card specifications.

Table 28. UltraSpeed Duo M.2 PCIe card specifications

Feature	Values
Interface	PCIe
Data rates	PCIe Gen 4
Environment	
Operating temperature	0°C to 60°C (32°F to 140°F)
Operating humidity	5% to 95% RH
Storage temperature	-20°C to 70°C (-4°F to 158°F)

UltraSpeed Quad M.2 PCIe card

The following table lists the UltraSpeed Quad M.2 PCIe card specifications.

Table 29. UltraSpeed Quad M.2 PCIe card specifications

Feature	Values
Interface	PCIe
Data rates	PCIe Gen 4
Environment	
Operating temperature	0°C to 60°C (32°F to 140°F)
Operating humidity	5% to 95% RH
Storage temperature	-20°C to 70°C (-4°F to 158°F)

Ethernet

Realtek RTL8111-EPP Ethernet

The following table lists the Realtek RTL8111-EPP Ethernet specifications.

Table 30. Realtek RTL8111-EPP Ethernet specifications

Feature	Values
External connector type	RJ45
Data rate	1000 Mbps
LED indicators	<ul style="list-style-type: none"> • Link - Solid • Activity - Blinking
LED color	<ul style="list-style-type: none"> • Yellow - 1 Gbps • LED off - 100 Mbps or 10 Mbps
Adapter Features	
Bus Type/Bus Width	PCI Express 3.0
Interrupt levels	INTA, MSI, MSI-X
Hardware certifications	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC, EEE
Controller	Realtek RTL8111-EPP
Bracket	
Power Consumption	
Link Speed / Traffic	Typical power
10 Mbps	.5 W
100 Mbps	.6 W
1 Gbe	1 W
2.5 Gbe	1.9 W
Environmental	
Operating temperature range	0°C–55°C (32°F–131°F)
Storage temperature range	-40°C–70°C (-40°F–158°F)

Table 30. Realtek RTL8111-EPP Ethernet specifications (continued)

Feature	Values
Storage humidity	Maximum 90% non-condensing relative humidity at 35°C
Physical Dimensions	
Dimensions	

Marvel AQC113CS

The following table lists the Marvel AQC113CS Ethernet specifications.

Table 31. Marvel AQC113CS Ethernet specifications

Feature	Values
External connector type	RJ45
Data rate	10 Gbps
LED indicators	<ul style="list-style-type: none"> • Link - Solid • Activity - Blinking
LED color	<ul style="list-style-type: none"> • Yellow - 10 Gbps • LED off - 100 Mbps or 10 Mbps
Adapter Features	
Bus Type/Bus Width	PCI Express 3.0 x2
Interrupt levels	INTA, MSI, MSI-X
Hardware certifications	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC, EEE
Controller	Marvel AQC113CS
Bracket	
Power Consumption	
Link Speed / Traffic	Typical power
10 Mbps	.5 W
100 Mbps	.6 W
1 Gbe	1 W
2.5 Gbe	1.9 W
Environmental	
Operating temperature range	0°C–55°C (32°F–131°F)
Storage temperature range	-40°C–70°C (-40°F–158°F)
Storage humidity	Maximum 90% non-condensing relative humidity at 35°C
Physical Dimensions	
Dimensions	

Intel Ethernet Connection i225

The following table lists the i225 specifications.

Table 32. Intel Ethernet Connection i225 specifications

Feature	Values
External connector type	RJ45
Data rate	10/100/1000/2500 Mbps
LED indicators	<ul style="list-style-type: none"> • Link - Solid • Activity - Blinking
LED color	<ul style="list-style-type: none"> • Green - 2.5 Gbps • Yellow - 1 Gbps • LED off - 100 Mbps or 10 Mbps
Adapter Features	
Bus Type/Bus Width	PCI Express 3.1 x 1
Interrupt levels	INTA, MSI, MSI-X
Hardware certifications	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC, EEE
Controller	Intel Ethernet Controller I225
Bracket	Full-height bracket installed. Low-profile bracket included in the package
Wake-on-Lan	Supported
Power Consumption	
Link Speed / Traffic	Typical power
10 Mbps	.5 W
100 Mbps	.6 W
1 Gbe	1 W
2.5 Gbe	1.9 W
Environmental	
Operating temperature range	0°C–55°C (32°F–131°F)
Storage temperature range	-40°C–70°C (-40°F–158°F)
Storage humidity	Maximum 90% non-condensing relative humidity at 35°C
Physical Dimensions	
Dimensions	68.7 mm x 65.3 mm

Intel Ethernet Network Adapter X710 GbE NIC Card

The following table lists the X710 GbE NIC Card specifications.

Table 33. Intel Ethernet Network Adapter X710 GbE NIC Card specifications

Feature	Values
External connector type	RJ45
Data rate	10/100/1000/2500 Mbps
LED indicators	<ul style="list-style-type: none"> • Link - Solid

Table 33. Intel Ethernet Network Adapter X710 GbE NIC Card specifications (continued)

Feature	Values
	<ul style="list-style-type: none"> • Activity - Blinking
LED color	<ul style="list-style-type: none"> • Green - 2.5 Gbps • Yellow - 1 Gbps • LED off - 100 Mbps or 10 Mbps
Adapter Features	
Bus Type/Bus Width	PCI Express 4
Interrupt levels	INTA, MSI, MSI-X
Hardware certifications	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC, EEE
Controller	Intel Ethernet Network Adapter X710 GbE NIC Card
Bracket	Full-height bracket installed. Low-profile bracket included in the package
Wake-on-Lan	Not supported
Power Consumption	
Link Speed / Traffic	Typical power
10 Mbps	.5 W
100 Mbps	.6 W
1 Gbe	1 W
2.5 Gbe	1.9 W
Environmental	
Operating temperature range	0°C–55°C (32°F–131°F)
Storage temperature range	-40°C–70°C (-40°F–158°F)
Storage humidity	Maximum 90% non-condensing relative humidity at 35°C
Physical Dimensions	
Dimensions	68.7 mm x 65.3 mm

Wireless module

Qualcomm WCN6856, 2x2, Wi-Fi 6E DBS, Bluetooth 5.3

The following table lists the Intel Qualcomm WCN6856 specifications.

Table 34. Qualcomm WCN6856 specifications

Host interface	<ul style="list-style-type: none"> • PCIe for Wi-Fi • USB for Bluetooth
Network standard	IEEE 802.11a/b/g/n/ac/ax, 160MHz channel use, MU-MIMO
Wi-Fi Alliance certifications	<ul style="list-style-type: none"> • 802.11 a/b/g/n/ac R2/ax R2 • WMM • WMM-PS • WPA3 • WPS2

Table 34. Qualcomm WCN6856 specifications (continued)

	<ul style="list-style-type: none"> • PMF • WFD • Miracast • Passpoint R2 • Voice Personal
Operating frequency bands	<ul style="list-style-type: none"> • 2.4 GHz • 5 GHz • 6 GHz
Data rate	<ul style="list-style-type: none"> • 2.4 GHz 40M: Up to 691 Mbps • 5 GHz 160M: Up to 2.88 Gbps • 6 GHz 160M: Up to 2.88 Gbps • DBS mode • 2.4 GHz 40M + 5/6 GHz 160M: Up to 3.57 Gbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Authentication	<ul style="list-style-type: none"> • WPA and WPA2 Personal and Enterprise • WPA3 Personal and Enterprise
Authentication protocols	<ul style="list-style-type: none"> • 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA)
Encryption	<ul style="list-style-type: none"> • 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP
Product safety	<ul style="list-style-type: none"> • UL • C-UL • CB (IEC60950-1)
Government compliance	<ul style="list-style-type: none"> • FIPS 140-2 • FISMA
Client utility	Intel PRO/Set wireless software v22 and later
Antenna diversity	Supported
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	Supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	<ul style="list-style-type: none"> • Dual Mode Bluetooth 5.3 • BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Bluetooth output power	Power class 1
Operating temperature	0°C to 50°C (Full performance at shield temperatures up to 80°C)

Table 34. Qualcomm WCN6856 specifications (continued)

Storage temperature	-40°C to 70°C
Humidity	Up to 90% RH non-condensing (at temperatures of 25°C to 35°C)

GPU—Discrete

NVIDIA GeForce RTX 3090, 24 GB, GDDR6

The following table lists the NVIDIA GeForce RTX 3090 specifications.

Table 35. NVIDIA GeForce RTX 3090 specifications

Feature	NVIDIA GeForce RTX 3090, 24 GB GDDR6
GPU frequency	1410 MHz (base clock)
DirectX 12	12
Shader model	6.6
Open CL	3.0
Open GL	4.6
GPU memory interface	384-bit
PCIe bus	PCIe 4.0 x 16
Display support	3 DP(1.4 ready ports) and 1 HDMI (2.1 ports)
Graphics memory configuration	24 GB, GDDR6X
Graphics memory clock speed	19.5 Gbps
Active fan sink	Fan Controller Embedded(4 pin)
Slot number	Dual Slot
PCB form factor	Full Height
PCB layer	12 layer
PCB solder mask	NA
Bracket form factor	Double
Maximum resolution	7680 x 4320 @60 Hz (requires DSC)
Power consumption	350 W

NVIDIA GeForce RTX 3080, 10 GB, GDDR6

The following table lists the NVIDIA GeForce RTX 3080 specifications.

Table 36. NVIDIA GeForce RTX 3080 specifications

Feature	Values
GPU frequency	1440 MHz (base clock)
DirectX 12	12
Shader model	6.6
Open CL	3.0

Table 36. NVIDIA GeForce RTX 3080 specifications (continued)

Open GL	4.6
GPU memory interface	320-bit
PCIe bus	PCIe 4.0 x 16
Display support	3 DP(1.4 ready ports) and 1 HDMI (2.1 ports)
Graphics memory configuration	10 GB, GDDR6X
Graphics memory clock speed	19 Gbps
Active fan sink	Fan Controller Embedded(Dual 4 pin)
Slot number	Dual Slot
PCB form factor	Full Height
PCB layer	12 layer
PCB solder mask	
Bracket form factor	Double
Maximum resolution	7680 x 4320 @60 Hz (requires DSC)
Power consumption	320 W

NVIDIA RTX A6000, 48 GB GDDR6

The following table lists the NVIDIA RTX A6000 specifications.

Table 37. NVIDIA RTX A6000 specifications

Feature	Values
GPU frequency	1410 MHz
DirectX 12	12
Shader model	5.17
Open CL	3
Open GL	4.6
GPU memory interface	384 bits
PCIe bus	PCIe 4.0 x16
Display support	Four DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	48GB, GDDR6
Graphics memory clock speed	8001MHz
Active fan sink	4-pin embedded fan controller
Slot number	Dual Slot
PCB form factor	Full Height, Full length
PCB layer	
PCB solder mask	
Bracket form factor	Double
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DPs 1.4a & DSC)
Power consumption	300W

NVIDIA RTX A5500, 24 GB GDDR6

The following table lists the NVIDIA RTX A5500 specifications.

Table 38. NVIDIA RTX A5500 specifications

Feature	Values
GPU frequency	1080 MHz
DirectX 12	12
Shader model	6.6
Open CL	3
Open GL	4.6
GPU memory interface	384 bits
PCIe bus	PCIe 4.0 x16
Display support	Four DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	24GB, GDDR6
Graphics memory clock speed	8001MHz
Active fan sink	4-pin embedded fan controller
Slot number	Dual Slot
PCB form factor	Full Height, Full length
PCB layer	NA
PCB solder mask	NA
Bracket form factor	Double
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DPs 1.4a & DSC)
Power consumption	230W

NVIDIA RTX A4500, 20 GB GDDR6

The following table lists the NVIDIA RTX A4500 specifications.

Table 39. NVIDIA RTX A4500 specifications

Feature	Values
GPU frequency	1065MHz
DirectX 12	12
Shader model	5.17
Open CL	3
Open GL	4.6
GPU memory interface	320 bits
PCIe bus	PCIe 4.0 x16
Display support	Four DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	20GB, GDDR6
Graphics memory clock speed	8001MHz

Table 39. NVIDIA RTX A4500 specifications (continued)

Active fan sink	4-pin embedded fan controller
Slot number	Dual Slots
PCB form factor	Full Height, Full length
PCB layer	NA
PCB solder mask	NA
Bracket form factor	Double
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DPs 1.4a & DSC)
Power consumption	200W

NVIDIA RTX A4000, 16 GB GDDR6

The following table lists the NVIDIA RTX A4000 specifications.

Table 40. NVIDIA RTX A4000 specifications

Feature	Values
GPU frequency	735MHz
DirectX 12	12
Shader model	5.17
Open CL	3
Open GL	4.6
GPU memory interface	256 bits
PCIe bus	PCIe 4.0 x16
Display support	Four DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	16GB, GDDR6
Graphics memory clock speed	7000MHz
Active fan sink	4-pin embedded fan controller
Slot number	Single Slot
PCB form factor	Full Height, Full length
PCB layer	NA
PCB solder mask	NA
Bracket form factor	Single
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DPs 1.4a & DSC)
Power consumption	140W

NVIDIA RTX A2000, 12 GB GDDR6

The following table lists the NVIDIA RTX A2000 specifications.

Table 41. NVIDIA RTX A2000 specifications

Feature	Values
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Table 41. NVIDIA RTX A2000 specifications (continued)

GPU frequency	562MHz
DirectX 12	12
Shader model	5.17
Open CL	3
Open GL	4.6
GPU memory interface	192 bits
PCIe bus	PCIe 4.0 x16
Display support	Four mini-DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	12GB, GDDR6
Graphics memory clock speed	6001MHz
Active fan sink	4-pin embedded fan controller
Slot number	Dual Slots
PCB form factor	Half Height,Half Length
PCB layer	NA
PCB solder mask	NA
Bracket form factor	Double
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DP's 1.4a & DSC)
Power consumption	70W

NVIDIA T1000, 8 GB GDDR6

The following table lists the NVIDIA T1000 specifications.

Table 42. NVIDIA T1000 specifications

Feature	Values
GPU frequency	1065MHz
DirectX 12	12
Shader model	5.17
Open CL	3
Open GL	4.6
GPU memory interface	128 bits
PCIe bus	PCIe 3.0 x16
Display support	Four mini-DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	8 GB, GDDR6
Graphics memory clock speed	5001MHz
Active fan sink	4-pin embedded fan controller
Slot number	Single Slot
PCB form factor	Low Profile
PCB layer	NA

Table 42. NVIDIA T1000 specifications (continued)

PCB solder mask	NA
Bracket form factor	ATX and Low Profile
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DPs 1.4a & DSC)
Power consumption	50W

NVIDIA T400, 4 GB GDDR6

The following table lists the NVIDIA T400 specifications.

Table 43. NVIDIA T400 specifications

Feature	Values
GPU frequency	420MHz
DirectX 12	12
Shader model	5.17
Open CL	3
Open GL	4.6
GPU memory interface	64 bits
PCIe bus	PCIe 3.0 x16
Display support	Three mini-DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	4 GB, GDDR6
Graphics memory clock speed	5001MHz
Active fan sink	4-pin embedded fan controller
Slot number	Single Slot
PCB form factor	Low Profile
PCB layer	NA
PCB solder mask	NA
Bracket form factor	ATX and Low Profile
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires two DPs 1.4a & DSC)
Power consumption	30W

NVIDIA Quadro GV100, 32 GB HBM2

The following table lists the NVIDIA Quadro GV100 specifications.

Table 44. NVIDIA Quadro GV100 specifications

Feature	Values
GPU frequency	1132MHz
DirectX 12	12
Shader model	5.17
Open CL	3

Table 44. NVIDIA Quadro GV100 specifications (continued)

Open GL	4.6
GPU memory interface	4096 bits
PCIe bus	PCIe 3.0 x16
Display support	Four DP 1.2 Certified, 1.3/1.4 Ready
Graphics memory configuration	32GB HBM2
Graphics memory clock speed	850MHz
Active fan sink	4-pin embedded fan controller
Slot number	Dual Slots
PCB form factor	Full Height, Full length
PCB layer	NA
PCB solder mask	NA
Bracket form factor	Double
Maximum resolution	7680 x 4320 x 24 bpp at 120Hz (Requires four DP 1.3 links)
Power consumption	250W

AMD Radeon RX 6900 XT, 16 GB GDDR6

The following table lists the AMD Radeon RX 6900 XT specifications.

Table 45. AMD Radeon RX 6900 XT specifications

Feature	Values
GPU frequency	1825 MHz (base clock)
DirectX 12	12.0
Shader model	6.1
Open CL	2.2
Open GL	4.6
GPU memory interface	256 bit
PCIe bus	Gen 4 (x16 lanes)
Display support	1.4 (x3)
Graphics memory configuration	16 GB GDDR6
Graphics memory clock speed	16 Gbps
Active fan sink	Fan Controller Embedded(4 pin)
Slot number	2 slot
PCB form factor	OSP
PCB layer	14
PCB solder mask	Green
Bracket form factor	double
Maximum resolution	7680x4320 @60 Hz (requires DSC)
Power consumption	300W (TBP)

AMD Radeon Pro W6800, 16 GB GDDR6

The following table lists the AMD Radeon Pro W6800 specifications.

Table 46. AMD Radeon Pro W6800 specifications

Feature	Values
GPU frequency	1575 MHz (base clock)
DirectX 12	12.0 Ultimate
Shader model	6.5
Open CL	2.1
Open GL	4.6
GPU memory interface	256 bit
PCIe bus	Gen 4 (x16 lanes)
Display support	x6 mDP 1.4
Graphics memory configuration	32GB DDR6
Graphics memory clock speed	16 Gbps
Active fan sink	Fan Controller Embedded(4 pin)
Slot number	2 slot
PCB form factor	OSP
PCB layer	14
PCB solder mask	Black
Bracket form factor	Full Height
Maximum resolution	7680x4320 @60Hz
Power consumption	250W

AMD Radeon Pro W6600, 8 GB GDDR6

The following table lists the AMD Radeon Pro W6600 specifications.

Table 47. AMD Radeon Pro W6600 specifications

Feature	Values
GPU frequency	1526 MHz (base clock)
DirectX 12	12.0 Ultimate
Shader model	6.5
Open CL	2.1
Open GL	4.6
GPU memory interface	128-bit
PCIe bus	Gen 4 (x8 lanes)
Display support	x4 DP 1.4
Graphics memory configuration	8GB DDR6
Graphics memory clock speed	14 Gbps
Active fan sink	Fan Controller Embedded(4 pin)

Table 47. AMD Radeon Pro W6600 specifications (continued)

Slot number	Single slot
PCB form factor	OSP
PCB layer	8
PCB solder mask	Black
Bracket form factor	Full Height
Maximum resolution	7680x4320 @60Hz
Power consumption	130W

AMD Radeon Pro W6400, 4 GB GDDR6

The following table lists the AMD Radeon Pro W6400 specifications.

Table 48. AMD Radeon Pro W6400 specifications

Feature	Values
GPU frequency	1923 MHz (base clock)
DirectX 12	12.0 Ultimate
Shader model	6.6
Open CL	2.2
Open GL	4.6
GPU memory interface	64-bit
PCIe bus	Gen 4 (x4 lanes)
Display support	x2 DP 1.4
Graphics memory configuration	4GB DDR6
Graphics memory clock speed	14Gbps
Active fan sink	Fan Controller Embedded(4 pin)
Slot number	Single slot
PCB form factor	OSP
PCB layer	6
PCB solder mask	Black
Bracket form factor	Full Height
Maximum resolution	7680x4320 @60Hz
Power consumption	50W

GPU and PSU matrix

The following table provides the GPU and PSU matrix of your Precision 7865 Tower.

Table 49. GPU and PSU matrix

GFx card	Card length	Weight (kg)	Power connector	I/O connector	Width	PSU
NVIDIA® GeForce® RTX™ 3090, 24 GB GDDR6	10.50 in.	1.15	Two 8-pin	<ul style="list-style-type: none"> 3 x DP 1.4 ports 1 x HDMI 2.1 port 	Triple	1350 W
NVIDIA® GeForce® RTX™ 3080, 10 GB GDDR6	10.50 in.	1.15	Two 8-pin	<ul style="list-style-type: none"> 3 x DP 1.4 ports 1 x HDMI 2.1 port 	Triple	1350 W
NVIDIA® RTX™ A6000, 48 GB GDDR6	10.50 in.	1.18	8-pin	<ul style="list-style-type: none"> 4 x DP 1.2 ports 	Dual	1350 W
NVIDIA® RTX™ A5500, 24 GB GDDR6	10.50 in.	1.05	8-pin	<ul style="list-style-type: none"> 4 x DP 1.2 ports 	Dual	1350 W
NVIDIA® RTX™ A4500, 20 GB GDDR6	10.50 in.	1.05	8-pin	<ul style="list-style-type: none"> 4 x DP 1.2 ports 	Dual	1350 W
NVIDIA® RTX™ A4000, 16 GB GDDR6	9.50 in.	0.50	6-pin	<ul style="list-style-type: none"> 4 x DP 1.2 ports 	Single	1350 W
NVIDIA® RTX™ A2000, 12 GB GDDR6	6.60 in.	0.306	NA	<ul style="list-style-type: none"> 4 x mini-DP 1.2 ports 	Dual	1350 W
NVIDIA® T1000, 4 GB GDDR6	6.13 in.	0.132	NA	<ul style="list-style-type: none"> 4 x mini-DP 1.2 ports 	Single	1350 W
NVIDIA® T400, 2 GB GDDR6	6.13 in.	0.123	NA	<ul style="list-style-type: none"> 3 x mini-DP 1.2 ports 	Single	1350 W
NVIDIA® Quadro® GV100, 32 GB HBM2	10.50 in.	1.025	8-pin	<ul style="list-style-type: none"> 4 x mini-DP 1.2 ports 	Dual	1350 W
AMD Radeon™ RX 6900 XT, 16 GB GDDR6	10.50 in.	0.764	Two 8-pin	<ul style="list-style-type: none"> 1 x HDMI 2.1 port 3 x DP 1.4 ports 	Dual	1350 W
AMD Radeon™ Pro W6800, 16 GB GDDR6	10.50 in.	0.85	6-pin and 8-pin	<ul style="list-style-type: none"> 6 x mini-DP 1.2 ports 	Dual	1350 W
AMD Radeon™ Pro W6600, 8 GB GDDR6	9.50 in.	0.595	6-pin	<ul style="list-style-type: none"> 4 x DP 1.4 ports 	Single	1350 W
AMD Radeon™ Pro W6400, 4 GB GDDR6	6.60 in.	0.162	NA	<ul style="list-style-type: none"> 2 x DP 1.4 ports 	Single	1350 W

Video port and resolution matrix

The following table lists the Video port and resolution matrix of your Precision 7865 Tower.

Table 50. Video port and resolution matrix

Port type	DP++ 1.4/HDCP 2.3 port (UMA and Discrete Graphics)	HDMI-OUT port—HDMI 1.4b (UMA Graphics)	HDMI-OUT port—HDMI 2.0 (Discrete Graphics)
Maximum resolution—single display	4096 x 2304 @ 60 Hz	4096 x 2160 @ 30 Hz	4096 x 2160 @ 60 Hz
Maximum resolution—dual MST	4096 x 2304 @ 60 Hz, 1400 x 1050 @ 60 Hz or 2880 x 1800 @ 60 Hz, 2880 x 1800 @ 60 Hz	Not applicable	Not applicable
Maximum resolution—triple MST	4096 x 2304 @ 60 Hz, 1360 x 768 @ 60 Hz, 640 x 480 @ 60 Hz or 2304 x 1440 @ 60 Hz, 2304 x 1440 @ 60 Hz, 2304 x 1440 @ 60 Hz	Not applicable	Not applicable

Storage preloaded bracket matrix

The following table lists the storage preloaded bracket information of your Precision 7865 Tower.

Table 51. Storage Pre-loaded bracket matrix

Hard-disk drive preloaded bracket	Bracket	Caddy
3.5-inch hard drives	Yes	Included with order
2.5-inch hard drives	Yes	Included with order
SATA externally-facing storage flexbays	Yes	Included with order
M.2 externally-facing storage flexbays	Yes	Included with order

NOTE: The storage caddies will be include in the system with the storage options configured during the ordering processes. For storage upgrades, the caddies must be purchased alongside the additional storage drives.

Storage

2.5-inch, 500 GB, 7200 RPM, SATA, HDD

Table 52. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD specifications

Capacity	500 GB
Speed	7200 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours

Table 52. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD specifications (continued)

Logical blocks	976,773,168
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

3.5-inch, 1 TB, 7200 RPM, SATA, HDD

Table 53. 3.5-inch, 1 TB, 7200 RPM, SATA, HDD specifications

Capacity	1 TB
Speed	7200 RPM
Height (approximate)	25.40 mm (1.00 in.)
Width (approximate)	147.06 mm (5.79 in.)
Depth (approximate)	101.60 mm (4.00 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	1,953,525,168
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 W • Active: 10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	65G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

3.5-inch, 4 TB, 7200 RPM, SATA, Enterprise HDD

Table 54. 3.5-inch, 4 TB, 7200 RPM, SATA, Enterprise HDD specifications

Capacity	4 TB
Speed	7200 RPM

Table 54. 3.5-inch, 4 TB, 7200 RPM, SATA, Enterprise HDD specifications (continued)

Height (approximate)	25.40 mm (1.00 in.)
Width (approximate)	147.06 mm (5.79 in.)
Depth (approximate)	101.60 mm (4.00 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	3,907,029,168
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 W • Active: 10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	65G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

3.5-inch, 8 TB, 7200 RPM, SATA, Enterprise HDD

Table 55. 3.5-inch, 8 TB, 7200 RPM, SATA, Enterprise HDD specifications

Capacity	8 TB
Speed	7200 RPM
Height (approximate)	25.40 mm (1.00 in.)
Width (approximate)	147.06 mm (5.79 in.)
Depth (approximate)	101.60 mm (4.00 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	3,907,029,168
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 W • Active: 10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	65G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C

Table 55. 3.5-inch, 8 TB, 7200 RPM, SATA, Enterprise HDD specifications (continued)

Relative humidity range	5% to 95%
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M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 56. 256 GB SSD specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 4 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 4 TB SSD specifications

Table 57. 4 TB SSD specifications

Capacity	4 TB
Height (approximate)	3.73 mm (0.15 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	8,001,573,552
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2)

Table 57. 4 TB SSD specifications (continued)

	<ul style="list-style-type: none"> Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 2 TB SSD specifications.

Table 58. 2 TB SSD specifications

Capacity	2 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	4,000,797,360
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> Idle: 5 mW (PS4 - L1.2) Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 1 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 1 TB SSD specifications.

Table 59. 1 TB SSD specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)

Table 59. 1 TB SSD specifications (continued)

Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 1 TB SSD, self-encrypting drive specifications

Table 60. 1 TB SSD, self-encrypting drive specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2) • Active: 4.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 512 GB SSD, self-encrypting drive specifications

Table 61. 512 GB SSD, self-encrypting drive specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	<ul style="list-style-type: none"> Idle: 5 mW (PS4 - L1.2) Active: 4.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

Media-card reader

The following table lists the media-card reader specifications of your Precision 7865 Tower.

Table 62. Media-card reader (standard offering)

Media supported (Maximum capacity supported will vary by Flash Media Types)	
Media Supported	<ul style="list-style-type: none"> Secure Digital (mSD) Secure Digital High Capacity (mSDHC) Secure Digital Extended Capacity (mSDXC)
Support Specification Versions	Secure Digital (SD) 6.0
Power source	
Max Power Requirements	1.2 A
Supply Voltage Range	3.3 V
Power Consumption	MS 0.08 mA
Environmental operating conditions (Non-condensing)	
Operating Temperature Range	0°C to 70°C
Relative Humidity Range	N/A

Table 62. Media-card reader (standard offering) (continued)

Environmental non-operating conditions (Non-condensing)	
Operating Temperature Range	N/A
Relative Humidity Range	N/A

Power ratings

The following table lists the power ratings specifications of your Precision 7865 Tower.

Table 63. Power ratings specifications

Description	Values
Type	1350 W Platinum internal power supply
Input voltage	90 VAC-264 VAC
Input frequency	47 Hz-63 Hz
Input current (maximum)	16 A
Output current (continuous)	Operating: <ul style="list-style-type: none"> ● 12 VA / 42 A ● 12 VB / 36 A ● 12 VC / 72 A Standby mode: <ul style="list-style-type: none"> ● 12 VA / 1.5 A ● 12 VB / 5 A
Rated output voltage	<ul style="list-style-type: none"> ● +12 VA ● +12 VB ● +12 VC
BTUs/h (based on PSU max wattage)	4607
Temperature range	
Operating	5°C to 45°C (41°F to 113°F)
Storage	-40°C to 70°C (-40°F to 158°F)
Compliance	
Erp Lot6 Tier 2 requirement	Yes
80Plus compliant	Yes
Energy Star 8.0 compliant	Yes
GS mark compliant	Yes
NCTC Anti Power Surge certification	Yes
NCTC Anti Lightning Strike certification	Yes

Thermal dissipation

The following table lists the thermal dissipation of your Precision 7865 Tower.

Table 64. Thermal dissipation

Power supply unit	Heat dissipation	Voltage
1350 W (80 Plus Platinum)	500*3.412=1706 BTU/hr	100 to 240 VAC, 50 to 60 Hz, 4.2 A/2.1 A

CMOS battery

The following table lists the CMOS battery specifications of your Precision 7865 Tower.

Table 65. CMOS battery

Brand	Type	Voltage	Composition	Battery life
MITSUBISHI	CR2032	3.0 V	Lithium metal	Continuous Discharge Under 15 kΩ Load to 2.0 V End-Voltage. 20°C±2°C 940 Hrs. or Longer.910 Hrs.or Longer after 12 mo.

Accessories

The following table lists the supported accessories on your Precision 7865 Tower.

Table 66. Accessories

Accessories
3Dconnexion SpaceMouse Wireless
Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W
Dell Adapter - DisplayPort to HDMI 2.0 (4K)
Dell Pro Wireless Headset - WL5022
Dell UltraSharp 27 Monitor - U2722D
Dell UltraSharp 32 HDR PremierColor Monitor - UP3221Q
Dell UltraSharp Webcam - WB7022

Security

Software security

The following table lists the software security details of your Precision 7865 Tower.

Table 67. Software security

Security options
McAfee® Small Business Security 30-Day Free Trial
McAfee® Small Business Security 12-month subscription
McAfee® Small Business Security 36 month subscription
Dell Encryption Personal

Table 67. Software security (continued)

Security options
Dell Encryption Enterprise
Dell Encryption External Media
Dell Bitlocker Manager
Dell SafeGuard and Response VMW Carbonblack Endpoint Standard

Trusted Platform Module

The following table lists the Trusted Platform Module (TPM) of your Precision 7865 Tower.

Table 68. Trusted Platform Module (TPM)

TPM: ST/ST33 HTPH2X32AHD8
SPI interface
TPM 2.0
FIPs 140-2 certificate

Acoustic noise emission information tower

The following table lists the acoustic noise emission information of your Precision 7865 Tower.

Table 69. Acoustic noise emission information tower

Component	Test Configuration
CPU	AMD Threadripper Pro 5945WX
Memory	8 GB
HDD (#, capacity)	2.5-inch hard drive
ODD	No
Graphics Adapter	NVIDIA T400

Table 70. Declared Sound Power (LWAd)

Operating Mode	Declared Sound Power(LWAd)
Idle	3.5
HDD Operating	3.6
CPU Stressed	3.8
ODD Operating	4.0

Table 71. A-Weighted Sound Pressure Level (dB)

Declared Sound Pressure (LpA)				
Operating Mode	Tabletop System		Floor Standing System	
	Operator Position	Bystander Position	Operator Position	Bystander Position
Idle	25.3	N/A	N/A	N/A
CPU Stressed	26.6	N/A	N/A	N/A

All tests are conducted according to ISO 7779 and declared according to ISO 9296 except CPU Stressed. This test mode is not specified in ISO 7779, but was measured using the same microphone distances and measurement techniques defined for the other reported operating modes.

Declared Sound Power rounded to nearest tenth of a bel per ISO 9296 section 4.4.2

Chassis enclosure and ventilation requirements

Enclosure ventilation

If your enclosure has doors, they need to be of a type that allows at least 30% airflow through the enclosure (front and back).

Enclosure minimum clearance

Leave a 10.2 cm (4 in.) minimum clearance on all vented sides of the computer to permit the airflow required for proper ventilation.

Recommended enclosure

Do not install your computer in an enclosure that does not allow airflow/dusty environment/temperature over 35°C. Do not put any objects to directly block air-vent. This restricts the airflow and impacts your computer's performance, possibly causing it to overheat.

Open desk minimum clearance

If your computer is installed in a corner, on a desk, or under a desk, leave at least 5.1 cm (2 in.) clearance from the back of the computer to the wall to permit the airflow required for proper ventilation.

System management features

Dell commercial systems come with a number of systems management options that are included by default for In-Band management with our Dell Client Command Suite. In-Band management meaning that the Operating System is functional and the device is connected to a network so that it can be managed. The Dell Client Command Suite of tools can be leveraged individually or with a systems management console like SCCM, LANDESK, KACE, etc.

We also offer Out-of-Band management as an option. Out-of-band management is when the system does not have a functional operating system or is turned off and you still want to be able to manage the system in that state.

Dell Client Command Suite for In-Band systems management

Dell Client Command Suite is a free toolkit available for download, for all Latitude Rugged tablets at dell.com/support, that automates and streamlines systems management tasks, saving time, money, and resources. It consists of the following modules that can be used independently, or with a variety of systems management consoles such as SCCM.

Dell Client Command Suite's integration with VMware Workspace ONE Powered by AirWatch, now allows customers to manage their Dell client hardware from the cloud, using a single Workspace ONE console.

Dell Command | Deploy enables easy operating system (OS) deployment across all major OS deployment methodologies and provides numerous system-specific drivers that have been extracted and reduced to an OS-consumable state.

Dell Command | Configure is a graphical user interface (GUI) admin tool for configuring and deploying hardware settings in a pre-OS or post-OS environment, and it operates seamlessly with SCCM and Airwatch and can be self-integrated into LANDESK and KACE. Simply, this is all about the BIOS. Command | Configure allows you to remotely automate and configure over 150+ BIOS settings for a personalized user experience.

Dell Command | PowerShell Provider can do the same things as Command | Configure, but with a different method. PowerShell is a scripting language that allows customers to create a customized and dynamic configuration process.

Dell Command | Monitor is a Windows Management Instrumentation (WMI) agent that provides IT admins with an extensive inventory of the hardware and health-state data. Admins can also configure hardware remotely by using command line and scripting.

Dell Command | Power Manager (end-user tool) is a GUI-based factory-installed battery management tool that allows end users to choose the battery management methods that meet their personal preferences or work schedule without sacrificing IT's capability to control those settings with Group Policy.

Dell Command | Update (end-user tool) is factory-installed and allows admins to individually manage and automatically present and install Dell updates to the BIOS, drivers, and software. Command | Update eliminates the time-consuming hunting and pecking process of update installation.

Dell Command | Update Catalog provides searchable metadata that allows the management console to retrieve the latest system-specific updates (driver, firmware or BIOS). The updates are then delivered seamlessly to end-users using the customer's systems management infrastructure that is consuming the catalog (like SCCM).

Dell Command | vPro Out of Band console extends hardware management to systems that are offline or have an unreachable OS (Dell exclusive features).



Dell Command | Integration Suite for System Center - This suite integrates all the key components of the Client Command Suite into Microsoft System Center Configuration Manager 2012 and Current Branch versions.

Getting help and contacting Dell

Self-help resources


You can get information and help on Dell products and services using these self-help resources:


Table 72. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	www.dell.com/support/windows www.dell.com/support/linux
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support . For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer .
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

 **NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

 **NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.