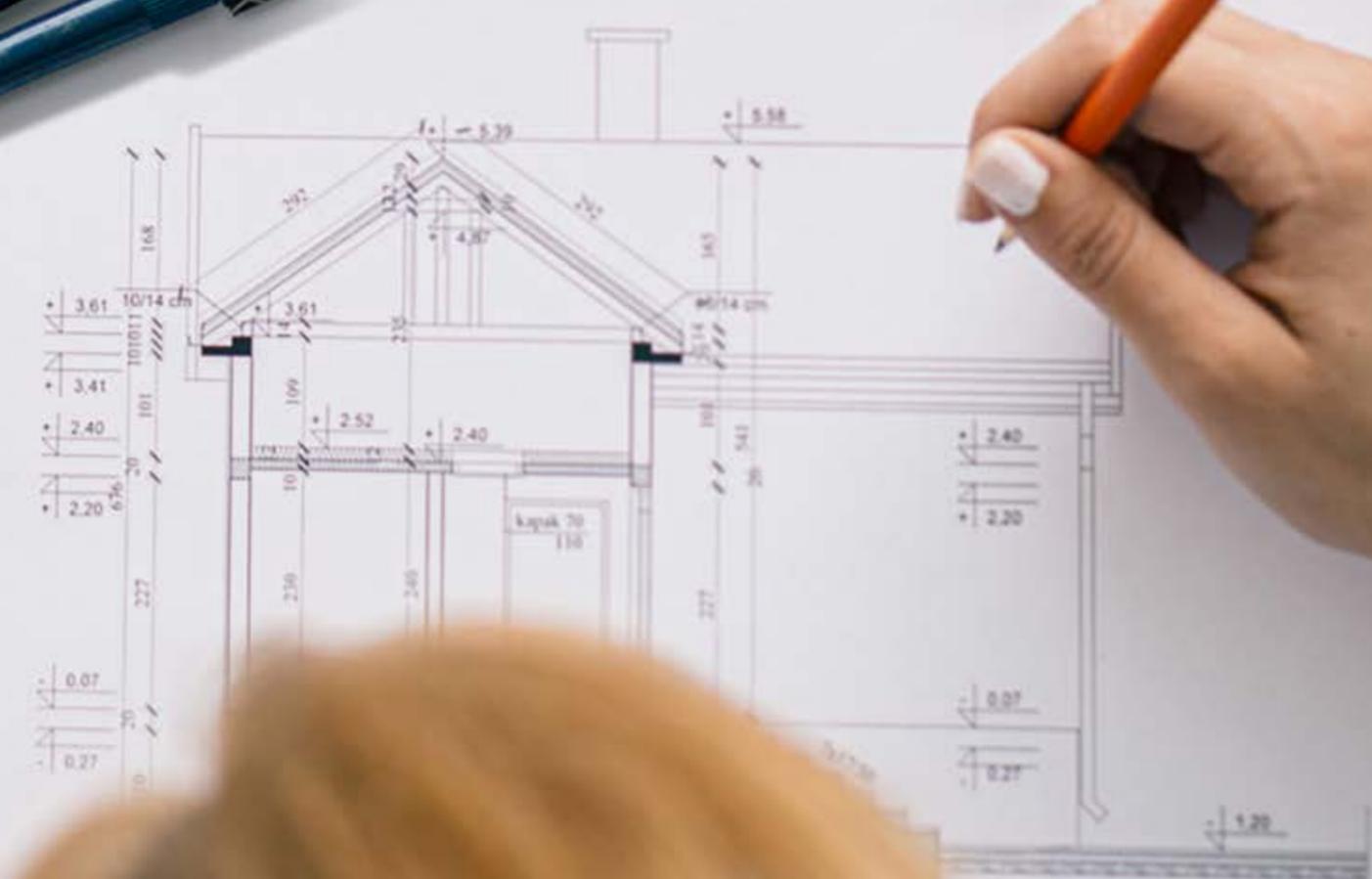# ConceptD™

Let Creators be Creators

ConceptD™

Within every idea,
every concept, and every
philosophy lie the seeds of
creativity waiting to be awakened.

Designers, engineers, developers,
and artists are often trapped
within imposed limits by the lack
of tools needed to break through.

Watch the video and
learn more about the brand

Concept D™

A full range of applications

2D creators

- Graphic design
- Streaming
- Web design
- Video editing
- Music-and-art design
- Photography

3D creators

- 3D animation design
- Motion graphics
- Special effects
- Industrial design
- Interior design
- Architecture
- Metalwork design

Developers

- Engineering
- Simulations
- Hardware/software R&D
- Big data analysis
- AI/deep learning engineering

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ConceptD™

Catering to every detail of the creative mind

Design, Dream, Develop and Deliver new ideas and new concepts
that are only possible from the vast reserves of capabilities
that lie within ConceptD™ itself.

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ConceptD™

Built for performance

• Supreme processor performance
• Optimum graphic performance
• High storage and memory space

Built for design

• Timeless design
• Clean and elegant
• Practical and ergonomic

Built for precision

• Color accuracy
• Screen resolution
• High refresh rates

Built for silence

• Efficient thermal solution
• Enhanced air flow
• Silent operation

ConceptD

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ConceptD™

Mobile workstations

The power to create, edit and showcase your work on the go. ConceptD™ mobile workstations meet all your creative needs.

Professional color accuracy

Gain a professional edge with a 4K UHD display that features integrated color correction and 100% Adobe® RGB color gamut.

100% Adobe® RGB color gamut

Optimized quiet cooling

Work in peace with the optimized thermal system, which runs at under 40dbs — the equivalent of a library room.

Beautifully clean and pristine

All ConceptD™ chassis are treated with an innovative micro-arc oxidation technique, that protects the body from dirt and makes it easy to clean.

The power to create

Get a faster real-time preview while video editing, or smoothly export and render up to 6K video files and 3D designs.

intel CORE i7 9th Gen

nVIDIA

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ConceptD 3 Series

Powerfully precise

Professional design work requires powerful tools, and the new ConceptD 3 is the tool you've been waiting for to step up your creations. Fine-tune images with high precision with its PANTONE® Validated FHD display with Delta E <2 color accuracy, DCI-P3 color gamut, a powerful 9th Gen Intel® Core™ i7 processor and NVIDIA® GeForce® GTX 1650 graphics. A must-have creator companion to get your work done everywhere.

PANTONE® Validated DCI-P3 Delta E<2

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ConceptD™

ConceptD 5 Series

Go create

Graphic design is quick and easy on the new ConceptD 5 laptop. Fine tune images with professional precision with its PANTONE® Validated 4K display with Delta E<2 color accuracy, 100% Adobe® RGB color gamut, a powerful 9th Gen Intel® Core™ i7 processor and up to NIVIDIA® Quadro® RTX™ 3000 graphics. Work on the go with this slim, lightweight device and attract admirers with its timeless design.

PANTONE® Validated   Adobe RGB   Delta E<2   UHD 4K

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ConceptD 7 Series

Your mobile design station

Create with improved speed and efficiency with the slim, ultra-modern ConceptD 7 laptop. Designing and editing in 2D or 3D is smoother with its impressive lineup of powerful tech, while the 4K UHD display brings professional precision with its 100% Adobe® RGB gamut, PANTONE® Validated color fidelity, and the color accuracy of Delta E<2.

PANTONE® Validated | Adobe RGB | Delta E<2 | UHD 4K

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ConceptD™

Optimized experience in every mode

ConceptD 9 Series

All-around creativity

Enjoy the flexibility of the 17" UHD touch display with Ezel Aero Hinge design. The fully adjustable display offers total freedom to either create your work or share content with others. The design is accented by its neat clean profile, structural thermal rib and convertible functionality, which provides a professional and high-performance look and feel.
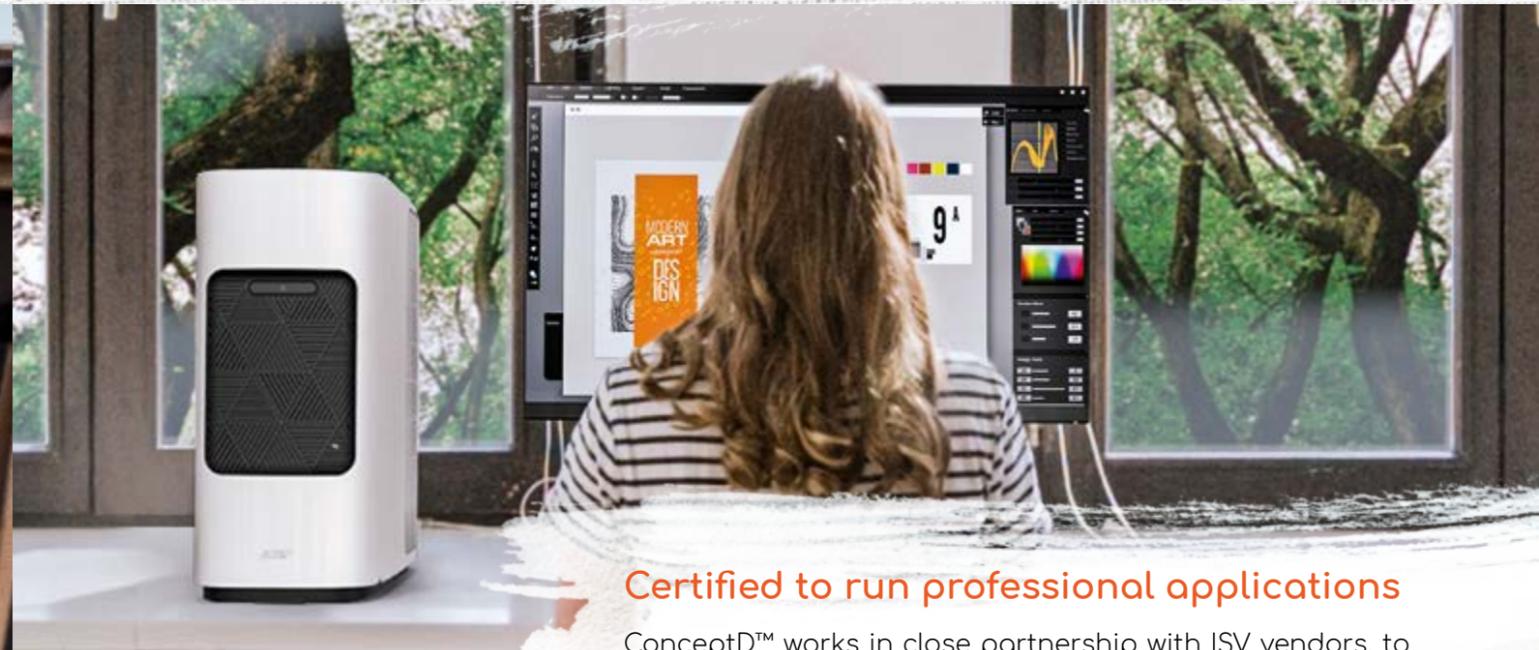
PANTONE® Validated | Adobe RGB | ΔE Delta E<2 | UHD 4K

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ConceptD™

Desktop workstations

Efficient thermal & low noise level

Always nice and cool even under heavy design rendering workloads. The noise level is kept perfectly quiet at under 40dbs.

Certified to run professional applications

ConceptD™ works in close partnership with ISV vendors, to ensure your favorite creative applications work at their best.

Finally, you can choose a workstation that fits seamlessly in any modern workspace.

intel CORE i7 9th Gen

NVIDIA

Power to complete

For creators who need a lot of computing power. With up to Intel® Core™ i9 processors and 64GB RAM, NVIDIA® Quadro RTX™ 4000 graphics.

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ConceptD 500 Series

The ideal desktop for creatives

The attractive and stylish ConceptD 500 has the latest Intel® Core™ i9 processors and professional grade GPU to deliver reliable computing performance for complex creative projects, helping creators build amazing art in real time. With its technologically advanced architecture, engineering, manufacturing, and media workloads will work smoother and faster.

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ConceptD 900 Series

Power beyond imagination

An extremely high-performance workstation designed for the most demanding multitaskers. The wiry matte-black metal chassis delivers a professional outfit, while the amber-light power button provides a touch of human accent.

ConceptD CP Series

Visualize your imagination

ConceptD CP Series are 27" 4K monitors with excellent color quality and fast refresh rates, tailor-made for video editing, CG & 3D animation.

ConceptD CM Series

Enhanced creative vision

ConceptD CM Series are large-sized 4K monitors with high precision color accuracy and advanced HDR technology, which is perfect for graphic designers and photographers.

ConceptD™

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Mobile workstations

	ConceptD 9	ConceptD 7	ConceptD 5
Operating System [1, 2]	Windows 10 Pro 64-bit / Windows 10 Home 64-bit		
CPU and chipset [1]	Up to Intel® Core™ i7-9980HK processor	Up to Intel® Core™ i7-9750H processor	Up to Intel® Core™ i7-9750H processor
Memory [1, 3, 4, 5]	Dual-channel DDR4 SDRAM support Up to 16 GB of DDR4, upgradable to 32 GB using 2 soDIMM modules	Dual-channel DDR4 SDRAM support Up to 16 GB of DDR4, upgradable to 32 GB using 2 soDIMM modules	Dual-channel DDR4 SDRAM support Up to 16 GB of DDR4
Display [6]	17.3" touch display with IPS (In-Plane Switching) technology, Ultra HD 3840 x 2160	15.6" display with IPS (In-Plane Switching) technology, Ultra HD 3840 x 2160	15.6" display with IPS (In-Plane Switching) technology, Ultra HD 3840 x 2160
	100% Adobe® RGB color gamut, Pantone® validated, DeltaE <2 Wide viewing angle, integrated touch supporting Wacom pen solution / Ultra-slim design Mercury free, Environmental friendly	High-brightness (400nits), Acer ComfyView™ LED-backlit TFT LCD, Acer ColorBlast technology, Pantone® validated, Delta E < 2 16:9 aspect ratio / 100% Adobe® RGB color gamut / Wide viewing angle Ultra-slim design / Mercury free, Environmental friendly	High-brightness (400nits), Acer ComfyView™ LED-backlit TFT LCD, Acer ColorBlast technology, Pantone® validated, Delta E < 2 16:9 aspect ratio / 100% Adobe® RGB color gamut / Wide viewing angle Ultra-slim design / Mercury free, Environment friendly
Graphics [1, 7]	Up to NVIDIA® GeForce RTX™ Gen 2080 with 8 GB of dedicated GDDR6 VRAM	Up to NVIDIA® Quadro® RTX™ 5000 with 8GB	Up to NVIDIA® Quadro® RTX™ 3000 Max-P
Audio	Waves MaxxAudio® sound technology / Acer Purified. Voice technology with two built-in microphones / Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound / Compatible with Cortana / Certified for Skype for Business / 4 x built-in stereo speakers with passive radiator	Waves MaxxAudio® sound technology / Acer Purified. Voice technology with two built-in microphones / Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound / Compatible with Cortana / Certified for Skype for Business / 2 x built-in stereo speakers	Acer Purified. Voice technology with two built-in microphones Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound / Compatible with Cortana / 2 x built-in stereo speakers
Storage [1, 8]	Solid state drive: 2 TB / 1TB, NVMe, RAID 0 SSD	Solid state drive: 2 TB / 1 TB / 512 GB, NVMe, RAID 0 SSD 1 TB / 512 GB / 256 GB, PCIe Gen 3, 8 GB/s, NVMe	Solid state drive: 1 TB / 512 GB, 2D NVMe, RAID 0 SSD 512 GB / 256 GB, PCIe Gen 3, 8 GB/s up to 4 lanes, NVMe
Webcam [1]	FHD camera with 1920 x 1080 resolution, 1080p FHD audio video recording, and Super high dynamic range imaging (SHDR)	HD camera with 1280 x 720 resolution, 720p HD audio/video recording, and Super high dynamic range imaging (SHDR)	HD camera with 1280 x 720 resolution, 720p HD audio/video recording, and Super high dynamic range imaging (SHDR)
Wireless and networking [1]	WLAN: Killer™ Wireless 6 AX1650 802.11 a/b/g/n+acR2+ax (Pre-Standard) wireless LAN Dual Band (2.4 GHz and 5 GHz) 2x2 MU-MIMO technology LAN: Killer™ Ethernet E3000 2.5G Ethernet Wake-on-LAN ready WPAN: Bluetooth® 5.0	WLAN: Killer™ Wireless-AC 1550 / 1550i 802.11a/b/g/n/ac wireless LAN Dual Band (2.4 GHz and 5 GHz) 2x2 MU-MIMO technology WPAN: Bluetooth® 5.0	WLAN: Killer™ Wireless 6 AX1650 802.11 a/b/g/n+acR2+ax (Pre-Standard) wireless LAN Dual Band (2.4 GHz and 5 GHz) 2x2 MU-MIMO technology WPAN: Bluetooth® 5.0
Connectivity	Thunderbolt™ 3 USB Type-C™ port, supporting DisplayPort over USB-C HDMI® 2.0 port with HDCP support DisplayPort™ 1.4 2 x USB 3.1 Gen1 ports with one featuring power-off USB charging, 1 USB 2.0 Ethernet (RJ-45) port Headphone/speaker jack Microphone-in jack DC-in jack for AC adapter	Thunderbolt™ 3 HDMI® 2.0 port with HDCP support Mini DisplayPort™ 1.4 Three USB 3.1 Gen1 ports with one featuring power-off USB charging Microphone-in jack Headphone/speaker jack Ethernet (RJ-45) port	USB Type-C™ port supporting: USB 3.1 Gen 1 (up to 5 Gbps) DisplayPort® over USB-C USB charging 5V, 3A 3 x USB 3.1 Gen 1 with one featuring power-off USB charging HDMI® 2.0 port with HDCP support 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone SD Card reader

	ConceptD 9	ConceptD 7	ConceptD 5
Security	BIOS user, supervisor, HDD passwords Noble Lock	BIOS user, supervisor, HDD passwords Kensington lock slot	BIOS user, supervisor, HDD passwords Kensington lock slot Acer Bio-Protection fingerprint solution, featuring computer protection and Windows Hello Certification Firmware Trusted Platform Module (TPM) solution
Dimensions and Weight [9, 10]	Dimensions: 428 (W) x 303.3 (D) x 23.5 (H) mm Weight: 4.1 kg	Dimensions: 358.5 (W) x 255 (D) x 17.9 (H) mm Weight: 2.1 kg with 4-cell battery pack	Dimensions: 360 (W) x 242 (D) x 16.9 (H) mm Weight: 1.5 kg with 4-cell battery pack
Power adapter and battery [11]	Power adapter: 3-pin 330 W AC adapter Battery: 71.9 Wh 4670 mAh 15.4 V 4-cell Li-ion battery pack Battery life up to 2.5 hours	Power adapter: 3-pin 180 W AC adapter Battery: 84 Wh 5550 mAh 15.2 V 4-cell Li ion battery pack Battery life up to 8 hours	Power adapter: 3-pin 90 W AC adapter Battery: 48 Wh 3220 mAh 15.2 V 4-cell Li-ion battery pack Battery life up to 7 hours
Input and control	Keyboard: 82-/83-/86-key, 80% full-size keyboard with international language support • Mechanical switches • 100% anti-ghosting • RGB backlight Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands Moisture resistant Microsoft Precision Touchpad Certification	Keyboard: 86-/87-/90-key FineTip backlit keyboard with Home, End, Pg Up, Pg Dn keys, international language support Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands Moisture resistant Microsoft Precision Touchpad Certification	Keyboard: 87-/88-/91-key Acer FineTip backlit keyboard with Home, End, Pg Up, Pg Dn keys, international language support, power button Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands Moisture resistant Microsoft Precision Touchpad Certification
Accessories			Acer Active Pen (Powered by Wacom EMR® technology)
Windows Desktop apps [12]	Acer Collection Quick Access / Acer Product Registration	Acer Collection Quick Access / Acer Product Registration	Acer Collection Quick Access / Acer Product Registration
Warranty	One-year International Travelers Warranty (ITW)	One-year International Travelers Warranty (ITW)	One-year International Travelers Warranty (ITW)

[1] Specifications vary depending on model. [2] 64-bit software is required to enjoy the advantages of 64-bit processing. [3] Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment. [4] Memory speed may vary, depending on the CPU, chipset or memory fitted. [5] A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory. [6] All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products. [7] Resolution/refresh rates depend on display capability and color/depth settings. [8] 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space. [9] Minor variations in system dimensions are possible due to the manufacturing process. [10] Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options. [11] Listed battery life is based on MobileMark 2014® productivity mode testing with wireless on. Details of MobileMark 2014 testing are available at www.bapco.com. Battery life rating is for comparison purposes only. Actual battery life varies by model, configuration, application, power management settings, operating conditions, and features used. A battery's maximum capacity decreases with time and use [12] Bundled software may vary depending on hardware configuration, OS and regional availability.

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ConceptD™

Desktop workstations

	ConceptD 900	ConceptD 500	
Operating System [1, 2]	Windows 10 Pro 64-bit	Windows 10 Pro 64-bit	
CPU and chipset [1]	Up to Dual Intel® Xeon® Gold 6148 processor	Up to 9th Gen Intel® Core™ i9 processors	
Memory [1, 3, 4]	Up to 16GB DDR4 2666 MHz REG-DIMM Up to 64 GB of Dual-channel DDR4 2666 MHz	Up to 16 GB DDR4 2666 MHz U-DIMM Up to 64 GB of Dual-channel DDR4 2666 MHz	
Storage [1, 5]	Hard disk drive: 4 TB 3.5-inch 5400 RPM 1024 GB M.2 2280 NVMe PCI-e SSD	Hard disk drive: 2 TB / 1 TB 3.5-inch 7200 RPM 512 GB / 256 GB M.2 2280 PCI-E SSD	
Graphics [6]	Up to NVIDIA® Quadro® RTX™ 6000 with 24 GB of GDDR6	Up to NVIDIA® Quadro® RTX™ 4000 with 8GB	
Communication	WLAN 802.11ac/a/b/g/n, aggregate bandwidth up to 1.73 Bluetooth® 5.0	WLAN 802.11ac/a/b/g/n, aggregate bandwidth up to 1.73 Bluetooth® 5.0	
Expansion slot(s)	PCIe x16 slot: 4 PCIe x8 slot: 3 Storage bays: 5	PCIe x16 slot: 2 PCIe x1 slot: 1 PCI slot: 1	M. 2 slot (for SSD): 1 M. 2 slot (for WLAN): 1
Dimensions	200 (W) x 623 (D) x 456 (H) mm	204 (W) x 485 (D) x 442 (H) mm	

[1] Specifications vary depending on model. [2] 64-bit software is required to enjoy the advantages of 64-bit processing. [3] A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory. [4] Memory speed may vary, depending on the CPU, chipset or memory fitted. [5] 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space. [6] Total available graphics memory comprises dedicated video memory, system memory, and shared system memory. This figure will vary depending on system memory, installed drivers, BIOS settings and other factors.

Monitors

	ConceptD CP7	ConceptD CP3
Screen Size	27" H	27" H
Max. Resolution and Refresh Rate	3840 x 2160 @ 144Hz	3840 x 2160 @ 144Hz
Panel Technology	IPS (local dimming backlight)	IPS
Response Time (G/G)	4ms (G2G)	1ms (VRB)
Brightness (cd/m²)	600 nits (1000 Peak)	350 nits (400 Peak)
Static Contrast Ratio	1000: 01: 00	1000: 01: 00
Viewing Angle (CR = 10)	178°(H), 178°(V)	178°(H), 178°(V)
Colors	1.07 B	1.07 B
Bit	10Bit	8Bit + Hi-FRC
Color Gamut	99% Adobe® RGB	99% sRGB, 90% DCI-P3
Connectivity	HDMI® (2.0) + DP (1.4) + USB 3.0 Hub (1up 4down) + Audio out	2 x HDMI® (2.0) + 2 x DP (1.4) + USB 3.0 Hub (1up 4down) + Audio out
Speaker	2 x 4W	2 x 4W
Graphic card compatibility	G-SYNC ULTIMATE	G-SYNC Compatible / Adaptive Sync
HDR	DisplayHDR 1000	DisplayHDR 400
Other Features	6 axis color adjustment, Low Delta E<1, Bluelight Shield, Low Dimming, Comfyview	6 axis color adjustment, Low Delta E<1, Bluelight Shield, Low Dimming, Comfyview
Accessories	Navigation Key, Light Shielding Hood, Smart Light Sensor, Acer Display Widget	Navigation Key, Light Shielding Hood, Smart Light Sensor, Acer Display Widget
Chassis colour and finish	Black/Silver/Wood grain	Black/Silver/Wood grain
VESA Wall Mounting	100 x 100	100 x 100
Tilt	-5° to 35°	-5° to 35°
Swivel degrees	360°	360°
Hgt Adj (mm)	180 mm	180 mm

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https://www.youtube.com/acer

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