



Acer ConceptD 14" i7 GTX 1650 notebook for creators

Brand : Acer

Product family: ConceptD

Product code: NX.C5TEK.001

Product name : 14" i7 GTX
1650 notebook for creators

- Windows 10 Pro 64-bit
- Intel Core i7-10750H (12MB Cache, 2.6GHz)
- 35.6 cm (14") Full HD 1920 x 1080 IPS, NVIDIA GeForce GTX 1650 Max-Q (4GB GDDR6)
- 16GB DDR4-SDRAM & 512GB SSD

Intel Core i7-10750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 512GB SSD, 35.6 cm (14") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce GTX 1650 Max-Q (4GB GDDR6), WLAN, Webcam, Windows 10 Pro 64-bit

Acer ConceptD 14" i7 GTX 1650 notebook for creators. Product type: Notebook, Form factor: Clamshell.

Processor family: Intel® Core™ i7, Processor model: i7-10750H, Processor frequency: 2.6 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Pro. Product colour: White



Windows 10



Design		Network	
Product type *	Notebook	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Product colour *	White	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Intel® vPro™ Platform Eligibility	✗	WLAN controller model	Intel Wi-Fi 6 AX201
Original brand name	Acer	WLAN controller manufacturer	Intel
Display		Bluetooth	✓
Display diagonal *	35.6 cm (14")	Ports & interfaces	
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	Full HD	HDMI ports quantity *	1
Panel type	IPS	Combo headphone/mic port	✓
LED backlight	✓	USB Type-C DisplayPort Alternate Mode	✓
Native aspect ratio	16:9	Keyboard	
Display surface	Matt	Pointing device	Touchpad
Processor		Keyboard layout	QWERTY
Processor manufacturer *	Intel	Keyboard language	UK English
Processor generation	10th gen Intel® Core™ i7	Numeric keypad *	✗
Processor model *	i7-10750H	Keyboard backlit	✓
Processor family *	Intel® Core™ i7	Software	
Processor frequency *	2.6 GHz	Operating system architecture	64-bit
Processor boost frequency	5 GHz	Operating system installed *	Windows 10 Pro
Processor cores	6	Processor special features	
Processor threads	12	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	8 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	12 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Comet Lake		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® Quick Sync Video Technology	✓
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Trusted Execution Technology	✗
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	16 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Storage		Intel® OS Guard	✓
Total storage capacity *	512 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage media *	SSD	Intel 64	✓
Total SSDs capacity	512 GB	Execute Disable Bit	✓
Number of SSDs installed	1	Idle States	✓
SSD capacity	512 GB	Thermal Monitoring Technologies	✓
SSD interface	PCI Express	Processor package size	42 x 28 mm
Optical drive type *	✗	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Card reader integrated	✓	CPU configuration (max)	1
Compatible memory cards	SD	Embedded options available	✗
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete GPU manufacturer	NVIDIA	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 1650 Max-Q	Processor ARK ID	201837
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card family	Intel® UHD Graphics	Number of battery cells	4
On-board graphics card model *	Intel® UHD Graphics	Battery capacity *	57.5 Wh
On-board graphics card base frequency	350 MHz	Battery life (max)	15 h
On-board graphics card dynamic frequency (max)	1150 MHz	Removable battery	✗
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.5	AC adapter power	135 W
On-board graphics card ID	0x9BC4	Security	
Discrete graphics card memory	4 GB	Cable lock slot	✓
Discrete graphics memory type	GDDR6	Cable lock slot type	Kensington
NVIDIA Max-Q	✓	Fingerprint reader	✓
Audio		Trusted Platform Module (TPM)	✓
Built-in microphone	✓	Password protection	✓
Number of microphones	2	Weight & dimensions	
Camera		Width	326.7 mm
Front camera	✓	Depth	229 mm
Front camera resolution	1280 x 720 pixels	Height	17.9 mm
Front camera HD type	HD	Weight *	1.5 kg
Network		Packaging content	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Cables included	AC



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