

Alienware x17 R2 Intel® Core™ i7 i7-12700H Laptop 43.9 cm (17.3") Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6 (802.11ax) Windows 11 Home Silver

Brand : Alienware

Product code: HCGHP

Product name : x17 R2



- Windows 11 Home 64-bit
 - Intel Core i7-12700H (24MB Cache)
 - 43.9 cm (17.3") Full HD 1920 x 1080 WVA, NVIDIA GeForce RTX 3060 (6GB GDDR6)
 - 16GB (4800MHz) DDR5-SDRAM & 1000GB SSD
 Intel Core i7-12700H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080 WVA, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3060 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 Alienware x17 R2. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12700H. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3060. Operating system installed: Windows 11 Home. Product colour: Silver



Design		Network	
Product type *	Laptop	Ethernet LAN data rates	10,1000,2500,100 Mbit/s
Product colour *	Silver	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.2
Market positioning	Gaming	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	43.9 cm (17.3")	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display resolution *	1920 x 1080 pixels	Ethernet LAN (RJ-45) ports	1
Touchscreen *	✗	HDMI ports quantity *	1
HD type	Full HD	HDMI version	2.1
Panel type	WVA	Mini DisplayPorts quantity	1
LED backlight	✓	Thunderbolt 4 ports quantity	1
Native aspect ratio	16:9	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	300 cd/m ²	Charging port type	DC-in jack
Pixel density	127 ppi	Power adapter barrel connector	7.4 mm
RGB colour space	sRGB	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	100%	USB Power Delivery	✓
Maximum refresh rate	360 Hz	PowerShare	✓
Contrast ratio (typical)	1000:1	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Core™ i7	Keyboard backlight	✓
Processor generation	12th gen Intel® Core™ i7	Keyboard backlight colour	RGB
Processor model *	i7-12700H	Software	
Processor cores	14	Operating system architecture	64-bit
Processor boost frequency	4.7 GHz		
Processor cache	24 MB		
Configurable TDP-down	35 W		

Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	Processor special features	
Memory clock speed	4800 MHz	Intel Flex Memory Access	✓
Memory form factor	SO-DIMM	Intel Trusted Execution Technology	✓
Memory slots	2x SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory *	64 GB	Execute Disable Bit	✓
Memory channels	Dual-channel	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	1 TB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	1 TB	Number of battery cells	6
SSD interface	NVMe, PCI Express	Battery capacity *	87 Wh
NVMe	✓	Battery voltage	11.4 V
SSD form factor	M.2	Battery recharge time	3 h
Optical drive type *	✗	Battery weight	330 g
Card reader integrated	✓	Power	
Compatible memory cards	MicroSD (TransFlash)	AC adapter frequency	50/60 Hz
Graphics		AC adapter input voltage	100 - 240 V
Discrete graphics card model *	NVIDIA GeForce RTX 3060	AC adapter output voltage	19.5 V
Discrete graphics card memory	6 GB	Security	
Discrete graphics memory type	GDDR6	Windows Hello	✓
On-board graphics card *	✓	Password protection	✓
Discrete graphics card *	✓	Operational conditions	
On-board graphics card model *	Intel Iris Xe Graphics	Operating temperature (T-T)	0 - 35 °C
NVIDIA G-SYNC	✓	Storage temperature (T-T)	-40 - 65 °C
Audio		Operating relative humidity (H-H)	10 - 90%
Audio chip	Realtek ALC3281	Storage relative humidity (H-H)	0 - 95%
Number of built-in speakers	4	Operating altitude	-15.2 - 3048 m
Speaker power	2 W	Non-operating altitude	-15.2 - 10668 m
Built-in microphone	✓	Operating shock	110 G
Number of microphones	2	Non-operating shock	160 G
Camera		Operating vibration	0.66 G
Front camera	✓	Non-operating vibration	1.3 G
Front camera resolution (numeric)	0.92 MP	Weight & dimensions	
Front camera resolution	1280 x 720 pixels	Width	399.2 mm
Front camera HD type	HD	Depth	299.6 mm
Video capturing speed	30 fps	Height	14.8 mm
Infrared (IR) camera	✓	Weight *	2.99 kg
Network		Packaging content	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Cables included	AC
Wi-Fi standards	802.11a, 802.11g, Wi-Fi 5 (802.11ac), 802.11b, Wi-Fi 4 (802.11n), Wi-Fi 6 (802.11ax)		
Mobile network connection *	✗		
Antenna type	2x2		
Ethernet LAN	✓		

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