

**ASUS ExpertBook B5 B5604CVF-QW0174X Intel® Core™ i7  
i7-1355U Laptop 40,6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB  
SSD NVIDIA GeForce RTX 2050 Wi-Fi 6E (802.11ax) Windows 11  
Pro Black**

**Brand :** ASUS

**Product family:** ExpertBook

**Article code:** 90NX0721-  
M00620



**Product name :** B5604CVF-  
QW0174X

ASUS ExpertBook B5 B5604CVF-QW0174X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1355U. Display diagonal: 40,6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 2050. Operating system installed: Windows 11 Pro. Product color: Black



Design		Camera	
Colour name	Star Black	Front camera	✓
Product type *	Laptop	Front camera resolution	1920 x 1080 pixels
Product colour *	Black	Front camera HD type	Full HD
Form factor *	Clamshell	Privacy camera	✓
Housing material	Aluminium	Privacy type	Privacy shutter
Market positioning	Work	<b>Network</b>	
Introduction year	2024	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Antenna type	2x2
Touchscreen *	✗	Ethernet LAN	✓
HD type	WUXGA	Ethernet LAN data rates	10,100,1000 Mbit/s
LED backlight	✓	Bluetooth	✓
Native aspect ratio	16:10	Bluetooth version	5.3
Anti-glare screen	✓	<b>Ports &amp; interfaces</b>	
RGB colour space	sRGB	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Colour gamut	100%	Ethernet LAN (RJ-45) ports	1
Processor		HDMI ports quantity *	1
Processor manufacturer *	Intel	HDMI version	2.1
Processor family *	Intel® Core™ i7	Thunderbolt 4 ports quantity	2
Processor generation	13th gen Intel® Core™ i7	Intel® Thunderbolt 4	✓
Processor model *	i7-1355U	Charging port type	USB Type-C
Processor cores	10	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	12	<b>Performance</b>	
Processor boost frequency	5 GHz	Repairability index	8.5
Performance cores	2		
Efficient cores	8		

Processor		Keyboard	
Performance-core Max Turbo Frequency	5 GHz	Pointing device	Touchpad
Efficient-core Max Turbo Frequency	3.7 GHz	Numeric keypad *	✓
Processor cache	12 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Software	
Processor base power	15 W	Operating system architecture	64-bit
Maximum turbo power	55 W	Operating system installed *	Windows 11 Pro
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR5-SDRAM	Number of battery cells	3
Memory form factor	SO-DIMM	Battery capacity *	63 Wh
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	90 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	4.5 A
Total SSDs capacity	1 TB	AC adapter output voltage	20 V
Number of SSDs installed	1	USB Power Delivery (USB PD) *	✓
SSD capacity	1 TB	Security	
SSD interface	PCI Express 4.0	Cable lock slot	✓
NVMe	✓	Cable lock slot type	Kensington
SSD form factor	M.2	Fingerprint reader	✓
Optical drive type *	✗	Smart card reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 2050	Password protection type	BIOS, HDD, User
Discrete graphics memory type	GDDR6	Certificates	
On-board graphics card *	✓	Compliance certificates	REACH, RoHS
On-board GPU manufacturer	Intel	Sustainability	
Discrete graphics card *	✓	Sustainability compliance	✓
On-board graphics card family	Intel® UHD Graphics	Sustainability certificates	ENERGY STAR, EPEAT Gold, Forest Stewardship Council (FSC) Recycled
On-board graphics card model *	Intel® UHD Graphics	Weight & dimensions	
Audio		Width	358 mm
Audio system	Dolby Atmos	Depth	254.3 mm
Built-in microphone	✓	Height (front)	1.89 cm
		Height (rear)	2.29 cm
		Weight *	1.81 kg



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