

**ASUS ExpertBook B2 B2502CBA-KJ0459X Intel® Core™ i5 i5-1240P  
Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD  
Wi-Fi 6 (802.11ax) Windows 11 Pro Black**

**Brand :** ASUS

**Product family:** ExpertBook

**Article code:** 90NX04K1-  
M00KE0

**Product name :** B2502CBA-  
KJ0459X

ASUS ExpertBook B2 B2502CBA-KJ0459X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-1240P. Display diagonal: 39,6 cm (15.6"), 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 Iris Xe Graphics. Mobile network generation: 5G. Operating system installed: Windows 11 Pro. Product color: Black



Design		Ports & interfaces	
Colour name	Star Black	USB 2.0 ports quantity *	1
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Product colour *	Black	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Form factor *	Clamshell	Ethernet LAN (RJ-45) ports	1
Market positioning	Business	HDMI ports quantity *	1
Display		HDMI version	1.4
Display diagonal *	39.6 cm (15.6")	Thunderbolt 4 ports quantity	1
Display resolution *	1920 x 1080 pixels	Intel® Thunderbolt 4	✓
Touchscreen *	✗	Combo headphone/mic port	✓
HD type	Full HD	Charging port type	USB Type-C
LED backlight	✓	SmartCard slot	✓
Native aspect ratio	16:9	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	Keyboard	
Display brightness	400 cd/m²	Pointing device	Touchpad
RGB colour space	NTSC	Numeric keypad *	✓
Colour gamut	45%	Keyboard backlit	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i5	Operating system installed *	Windows 11 Pro
Processor generation	12th gen Intel® Core™ i5	Processor special features	
Processor model *	i5-1240P	Intel Flex Memory Access	✓
Processor cores	12	Intel Trusted Execution Technology	✓
Processor boost frequency	4.4 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	12 MB		
Configurable TDP-down	20 W		
Memory			
Internal memory *	16 GB		

Memory		Processor special features	
Internal memory type	DDR4-SDRAM	Execute Disable Bit	✓
Memory form factor	SO-DIMM	CPU configuration (max)	1
Memory layout (slots x size)	2 x 8 GB	Embedded options available	✗
Memory slots	2x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	64 GB	Intel Virtualization Technology (VT-x)	✓
Storage		Battery	
Total storage capacity *	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	3
Total SSDs capacity	512 GB	Battery capacity *	48 Wh
Number of SSDs installed	1	Power	
SSD capacity	512 GB	AC adapter power	65 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	3.42 A
Optical drive type *	✗	AC adapter output voltage	19 V
Card reader integrated	✓	USB Power Delivery (USB PD) *	✓
Graphics		Security	
Discrete graphics card model *	Not available	Cable lock slot	✓
On-board graphics card *	✓	Cable lock slot type	Kensington
On-board GPU manufacturer	Intel	Fingerprint reader	✓
Discrete graphics card *	✗	Face recognition	✓
On-board graphics card model *	Intel Iris Xe Graphics	Windows Hello	✓
Audio		Trusted Platform Module (TPM)	✓
Built-in microphone	✓	Trusted Platform Module (TPM) version	2.0
Camera		Password protection	✓
Front camera	✓	Password protection type	BIOS, HDD, User
Front camera HD type	HD	Certificates	
Infrared (IR) camera	✓	Compliance certificates	RoHS, REACH
Privacy camera	✓	Sustainability	
Privacy type	Privacy shutter	Sustainability certificates	EPEAT Silver, ENERGY STAR
Network		Weight & dimensions	
Mobile network generation	5G	Width	364.5 mm
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Depth	247.3 mm
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Height (front)	1.99 cm
Mobile network connection *	✓	Height (rear)	2 cm
Antenna type	2x2	Weight *	1.75 kg
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	5.1		

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