

ASUS ExpertBook B1 B1402CVA-EB0649X Intel® Core™ i7 i7-1355U Laptop 35.6 cm (14") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Pro Black

Brand : ASUS

Product family: ExpertBook

Product code: 90NX06W1-
M00T40

Product name : B1402CVA-
EB0649X



- Windows 11 Pro
- 13th gen Intel Core i7 processor
- Intel UHD Graphics
- 14" compact screen
- Enterprise-grade security features
- MIL-STD 810H US military standard

Intel Core i7-1355U (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 35.6 cm (14") Full HD 1920 x 1080, Intel UHD Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

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Primed to perform. Configured for your business

Packed with business-friendly features and power, ASUS ExpertBook B1 is the ideal choice for ambitious firms and inspirational educational institutions. With a compact design, a bright, clear 14-inch display for vibrant visuals, plus impressive performance, enterprise-level security, military-grade durability, and extensive connectivity, ExpertBook B1 is the perfect portable partner to empower your business.

Design		Camera	
Colour name	Star Black	Front camera HD type	HD
Product type *	Laptop	Privacy camera	✓
Product colour *	Black	Privacy type	Privacy shutter
Form factor *	Clamshell	Network	
Housing material	Plastic	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Market positioning	Work	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Introduction year	2023	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	35.6 cm (14")	Ethernet LAN	✓
Display resolution *	1920 x 1080 pixels	Ethernet LAN data rates	10,100,1000 Mbit/s
Touchscreen *	✗	Bluetooth	✓
HD type	Full HD	Bluetooth version	5.2
LED backlight	✓	Ports & interfaces	
Native aspect ratio	16:9	USB 2.0 ports quantity *	1
Anti-glare screen	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Display brightness	250 cd/m ²	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
RGB colour space	NTSC	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	45%	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	60 Hz	HDMI ports quantity *	1
Contrast ratio (typical)	700:1	HDMI version	1.4
Processor		Combo headphone/mic port	✓
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel® Core™ i7	Performance	
Processor generation	13th gen Intel® Core™ i7	Repairability index	8.6
Processor model *	i7-1355U		
Processor cores	10		
Processor boost frequency	5 GHz		
Performance cores	2		

Processor		Keyboard	
Efficient cores	8	Pointing device	Touchpad
Performance-core Max Turbo Frequency	5 GHz	Numeric keypad *	✗
Efficient-core Max Turbo Frequency	3.7 GHz	Keyboard backlit	✓
Processor cache	12 MB	Software	
Processor cache type	Smart Cache	Operating system architecture	64-bit
Processor base power	15 W	Trial software	1-month trial for new Microsoft 365 customers
Maximum turbo power	55 W	Operating system installed *	Windows 11 Pro
Memory		Battery	
Internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR4-SDRAM	Number of battery cells	3
Memory form factor	On-board + SO-DIMM	Battery capacity *	42 Wh
Memory slots	1x SO-DIMM	Power	
Maximum internal memory *	48 GB	AC adapter power	65 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	512 GB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	3.25 A
Total SSDs capacity	512 GB	AC adapter output voltage	20 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	512 GB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Cable lock slot type	Kensington
Optical drive type *	✗	Fingerprint reader	✓
Card reader integrated	✗	Trusted Platform Module (TPM)	✓
Graphics		Trusted Platform Module (TPM) version	2.0
Discrete graphics card model *	Not available	Password protection	✓
On-board graphics card *	✓	Password protection type	BIOS, HDD, User
On-board GPU manufacturer	Intel	Certificates	
Discrete graphics card *	✗	Compliance certificates	RoHS, REACH
On-board graphics card family	Intel® UHD Graphics	Sustainability	
On-board graphics card model *	Intel® UHD Graphics	Sustainability compliance	✓
Audio		Sustainability certificates	EPEAT Gold, TCO, ENERGY STAR, Forest Stewardship Council (FSC) Mix
Audio system	Dirac	Weight & dimensions	
Built-in microphone	✓	Width	326.9 mm
Camera		Depth	214.5 mm
Front camera	✓	Height	19.9 mm
Front camera resolution	1280 x 720 pixels	Weight *	1.46 kg



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