



Acer TravelMate Spin B3 B3 Spin 12 TMB312RN-31-TCO-C8WL 2 in 1 Notebook

Brand : Acer

Product family: TravelMate

Product code: NX.BEXEK.008

Product name : TravelMate B3
Spin 12 TMB312RN-31-TCO-
C8WL 2 in 1 Notebook



Acer TravelMate B3 Spin 12 TMB312RN-31-TCO - 12.2" WUXGA Touch, Intel N150, 8GB LPDDR5X, 256GB SSD

[Acer TravelMate Spin B3 B3 Spin 12 TMB312RN-31-TCO-C8WL 2 in 1 Notebook:](#)

The Acer TravelMate B3 Spin 12 TMB312RN-31-TCO is a versatile 12.2" convertible notebook designed for flexible everyday use. Its WUXGA IPS touchscreen delivers clear, sharp visuals, while the Intel N-Series N150 processor, 8GB LPDDR5X memory and fast 256GB PCIe NVMe 4.0 SSD provide responsive performance. With an active AES 2.0 stylus included, dual microphones, and a 1080p webcam with a privacy shutter, it supports smooth interaction and communication. Wi-Fi 6E, Gigabit Ethernet and USB-C with DisplayPort ensure strong connectivity options, and the 53Wh battery offers up to 21 hours of video playback. The TravelMate B3 Spin 12 combines practicality, flexibility and modern features in a compact convertible form factor.



Design		Network	
Colour name	Black	Ethernet LAN data rates	1000 Mbit/s
Product type *	Hybrid (2-in-1)	Bluetooth	✓
Product colour *	Black	Bluetooth version	5.3
Form factor *	Convertible (Fold-back screen)	MIMO	✓
Country of origin	China	MIMO type	Multi User MIMO
Rugged design	✓	Ports & interfaces	
Stylus pen support	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Built-in stylus pen storage	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Display		Ethernet LAN (RJ-45) ports	1
Display diagonal *	31 cm (12.2")	HDMI ports quantity *	1
Display resolution *	1920 x 1200 pixels	HDMI version	2.1
Touchscreen *	✓	Line-in	✗
HD type	WUXGA	Combo headphone/mic port	✓
Panel type	IPS	Charging port type	USB Type-C
LED backlight	✓	HDMI	✓
Native aspect ratio	16:9	USB ports quantity	4
Display surface	Matt	Line-out	✗
Anti-glare screen	✓	USB Type-C DisplayPort Alternate Mode	✓
Anti-microbial screen	✓	Keyboard	
Display brightness	250 cd/m ²	Keyboard special features	Anchored Frame Keyboard
RGB colour space	NTSC	Pointing device	Touchpad
Colour gamut	50%	Numeric keypad *	✗
Maximum refresh rate	60 Hz	Keyboard backlight	✗
Processor		Keyboard layout	QWERTY
Processor manufacturer *	Intel	Keyboard language	UK English
Processor family *	Intel® N	Copilot key	✓
Processor model *	N150	Touchpad features	OceanGlass Touchpad
Processor cores	4	Software	
Processor threads	4	Operating system architecture	64-bit
Processor boost frequency	3.6 GHz		
Processor frequency *	0.8 GHz		
Processor cache	6 MB		

Processor		Software	
Processor operating modes	64-bit	Microsoft Copilot	✓
Neural processor unit (NPU)		Operating system installed *	Windows 11 Pro Education
Copilot+ PC	✗	Bundled software	Windows Desktop Apps In-House: Acer ORD Service TravelMate Sense Security: Acer User Sensing
Memory		Battery	
Internal memory *	8 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	3
Maximum internal memory *	8 GB	Battery capacity *	53 Wh
Storage		Battery life (max)	21 h
Total storage capacity *	256 GB	Power	
Storage media *	SSD	USB Type-C charging port *	✓
Total SSDs capacity	256 GB	USB Type-C required charging power (min) *	65 W
Number of SSDs installed	1	USB Type-C required charging power (max) *	65 W
SSD capacity	256 GB	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Kensington
Graphics		Fingerprint reader	✗
Discrete graphics card model *	Not available	Windows Hello	✓
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board GPU manufacturer	Intel	Sustainability	
Discrete graphics card *	✗	Sustainability certificates	ENERGY STAR, TCO
On-board graphics card model *	Intel® Graphics	Weight & dimensions	
Audio		Width	296 mm
Built-in speaker(s)	✓	Depth	215 mm
Number of built-in speakers	2	Height	21.5 mm
Built-in microphone	✓	Weight *	1.5 kg
Number of microphones	2	Packaging content	
Camera		Mouse included	✗
Front camera	✓	AC adapter included *	✗
Front camera resolution (numeric)	2 MP	Keyboard included	✓
Front camera resolution	1920 x 1080 pixels	Stylus pen	✓
Front camera HD type	Full HD	Stylus pen type	Active
Video capturing speed	60 fps	Packaging content	TravelMate B3 Spin 12 TMB312RN-31-TCO-C8WL 2 in 1 Notebook Active Stylus
Privacy camera	✓	Other features	
Privacy type	Privacy shutter	Security features	Camera shutter Kensington lock (Nano-type) Discrete Trusted Platform Module (TPM) solution BIOS Passwords: User Supervisor HDD(OPAL) password Acer ProShield Plus security manager includes: Data Protection: File & Folder Encryption and Decryption, Personal Security Drive Data Removal: File Shredding Security Alert: Invalid Access Alert, Security Report
Rear camera	✓		
Rear camera resolution (numeric)	5 MP	Chipset	Intel®
Network		Manufacturer	Acer, Inc
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	802.11a, 802.11ad, 802.11b, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)		
Antenna type	2x2		
WLAN controller model	Intel Wi-Fi 6E AX211		
WLAN controller manufacturer	Intel		
Ethernet LAN	✓		



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