



Acer TravelMate B3

(TMB312RN-31-TCO-P3G4)

Your Adaptable Classroom Companion

The TravelMate B3 Spin 12 laptop for school enhances learning with a optional TÜV Rheinland Low Blue Light certified display, touchscreen, stylus, and world-facing camera. Built for durability, it offers Wi-Fi 7, healthy usage alerts, and a modular design for easy maintenance.



- Processor: Intel® Processor N250
- Display: 12.2" WUXGA Display
- Memory: 8 GB LPDDR5 RAM
- Mass storage: 256 GB SSD
- Graphics card: Intel® Graphics
- Operating system: Win11 Pro EDU



Screen Ratio



Acer TMB312RN-31-TCO-P3G4

SPECIFICATIONS



Ordering Information

Series	Acer TravelMate B3
Model name	TMB312RN-31-TCO-P3G4
Part number	NX.BEXEG.006
EAN	4711474355232
Short description	12.2" WUXGA Display / Intel® Processor N250 / 8 GB LPDDR5 RAM / 256 GB SSD / Intel® Graphics / Win11 Pro EDU / Shale Black

Operating System

Operating System	Win11 Pro EDU
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Housing

Housing / Color	Shale Black
Component door	-
Dimensions	269 (W) x 215 (D) x 19.9 (H) mm
Weight	1.45 kg
Passively cooled (fanless)	Yes

Display

Display size	12.2"
Display type	12.2" WUXGA Display
Display resolution in pixel	1920*1080
Aspect ratio	16:10

Processor

Processor	Intel® Processor N250
Clock frequency	1.3 GHz base clock (Up to 3.8 GHz max. performance clock rate)
Cache	6 MB Intel® Smart Cache
Processing cores / threads	4
NPU	-

Storage and drives

Memory	8 GB LPDDR5 RAM
Memory configuration	1 x 8 GB LPDDR5 RAM
Maximum RAM	Onboard RAM (not replaceable or expandable)
Mass storage	256 GB PCIe NVMe Solid-State-Drive (SSD)

Graphics card

Graphics card	Intel® Graphics
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Connections

LAN	Gigabit Ethernet
Wireless LAN	Intel® Wireless Wi-Fi 6E AX211
Wireless WAN / SIM-Card	No
Wireless Gigabit	Intel® Wireless Wi-Fi 6E AX211
Bluetooth	Bluetooth 5.3
NFC	-
WoL (Wake on LAN)	Yes
PXE	Yes

IO ports

HDMI	HDMI® 2.0
Displayport	2x via USB-C
Thunderbolt	-
USB 3.2	2x USB 3.2 Gen 1 via USB-C, 2x USB 3.2 Gen 1 Typ-A
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
Ethernet (RJ-45)	1x
Cardreader	-
Smart card reader	-
Audio port	Audio Combo Jack
Docking port	via USB

Input

Keyboard	81-/82-/86-key Acer FineTip EDU anchored frame Serviceable keyboard
Keyboard layout	German (QWERTZ)
Backlit keyboard	No
Touchpad	Multi-gesture secure touchpad

Security

Fingerprint sensor	-
TPM	TPM 2.0
Kensington Lock	-
Security software	Acer ProShield Plus security manager



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Audio and video

Audio	High Definition Stereo Audio
Speaker	two built in speakers
Microphone	two built in microphones
Webcam	HD Webcam

Battery and power adapter

Battery	Li-Ion battery (3 cells / 53 Wh)
Battery lifetime	> 12 hours (Bapco MobileMark 25)
Power adapter	USB Type-C 65W power adapter (50% PCR-plastic)
Battery built in	-

Software

Office	1 month trial for new Microsoft 365 customers. Credit card required
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Certificate

EPEAT®	Gold
EnergyStar®	Yes

Special features

Special features	MIL-STD-810H
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Warranty

Warranty	3 years Carry-In Service
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Logistics

Quantity per layer	28
Quantity per europallet	84
Quantity per tower	168
Quantity per container	1848
Carton dimensions / weight	412 x 283 x 65 mm (W x D x H)/ 2.41 kg

Accessories and service

Special accessories included	Acer Active Stylus Pen
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