

acer

PRODUCT SUMMARY

Acer TravelMate Spin B3

Model Name

TMB311R-31

TMB311RN-31

FCS

February 29, 2020





Acer TravelMate Spin B3

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eCommerce Hero Shot



A B C D E F
G H I J K L M
N O P Q R S
T U V W X Y Z

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	11.6"	14"	15.6"
TravelMate P (Business Professional)		TMP614-51 	
		TMP214-52/TMP214-52G TMP249 	TMP215-52/TMP215-52G TMP259 
TravelMate X (Portability & Style)		TMX514-51 	
		TMX314-51 	
TravelMate B (Education)	 B3 (TMB311-31)	 Spin B3 (TMB311R-31, TMB311RN-31)	
	 TMB118-M	 TMB118-R(N)	



Acer TravelMate Spin B3

Take advantage of more interactive learning activities with the TravelMate Spin B3's high performing, ultra-durable design. Featuring a long battery life, mechanically anchored keys, an optional 5 Megapixel HDR world-facing camera, and an optional dockable Wacom AES pen, the Spin B3 empowers students to get even more out of their classes.





Target Audiences

Ideal for students and classrooms that utilize more interactive activities in the classroom that call for a convertible laptop. Can also be adapted for assisting with media-based teaching materials.

Additionally, any person within a school district who has the authority to make purchasing and deployment decisions relating to the school's teaching needs.



1. Efficient Performance

Get work and tasks done faster than other current on-the-market Windows laptops designed for education. The latest **Intel® processor¹** combines low power consumption and high performance for a reliable classroom-based solution.

1. Specifications may vary depending on model and/or region.



2. Certified Durability

The **Military Standard²** certified impact-resistant design withstands up to 60kg of downward force in addition to increased resistance from daily wear and tear. The shock absorbent bumper and unique drainage design further protects components from moderate falls and amounts of liquid.

2. MIL Standards (MIL-STD 810G) are a set of U.S. military grade tests to check the durability of a wide range of products.



3. Learning with Fun

The convertible design of the laptop ensures that students are able to work together in a multitude of situations, easily adapting to either tablet, tent, or display modes. The optional additions of **the dockable Wacom AES pen and the 5 Megapixel HDR world-facing camera** further enable increased collaboration between students and flexibility in learning.



4. Powering Through the Day

With an up to **12³ hours of battery life** in one charge, finish a days' worth of classes with battery to spare. The user-friendly port design keeps all your cables on the same side for greater accessibility and ease-of-use while the front-cover battery level indicator allows teachers to quickly and easily tell when a laptop is running out of charge.

3. Battery life varies depending on product model, configuration, power settings and usage, among other factors.



5. Anchored Key Design

Keyboard keys are kept safe from bored and restless children with **mechanically anchored keys**. These keys are both difficult to remove and the **entire keyboard is easy to replace**, making them ideal for classroom situations where computers are shared among students.




















6. The Power of Wireless

A strong, consistent wireless signal is provided by **Intel® Gigabit Wi-Fi** and the strategically placed **802.11ac** wireless antenna with **2x2 MU-MIMO**. **MU-MIMO (Multi-User Multiple-Input and Multiple-Output)** is a standard that offers faster wireless speeds and can handle more wireless devices at once.

1. Battery life varies depending on product model, configuration, power settings and usage, among other factors. Based on MobileMark® 2014 test results. Please visit www.acer.com.



Fundamentals	OS	Windows 10 Pro / Windows 10 Home	Battery Life	 Battery life	Up to 12 Hours (MobileMark 2014)
Ruggedized Design	 MIL-STD 810G Compliant	MIL-STD 810G Compliant	Display	IPS In-Plane Switching	IPS Display
	 Keyboard with Mechanically Anchored Key	Keyboard with mechanically anchored keys		 Resolution	Optional HD Touch Display
	 Spill-Resistant Keyboard	Spill-Resistant Keyboard		 Resolution	Optional Full HD Touch Display with Wacom AES 1.0 Protocol
	 Moisture Resistant Touchpad	Moisture Resistant Touchpad	Processor		Intel® Celeron® processor Intel® Pentium® Gold Processor
Service	 Easy Fix Keyboard	Easy Fix Keyboard	Webcam	 Wide Field of View Webcam	Optional 5MP World Facing Camera
Pen	 Wacom®	Optional Wacom AES Pen		 Wide Field of View Webcam	89° Wide Field of View Webcam (World Facing Camera) 78° Wide Field of View Webcam (Front facing Camera)
Connectivity	 802.11ac Ultra-Fast 160 MHz Gigabit Wi-Fi	Intel® Gigabit Wi-Fi		 HDR webcam	HDR Webcam
	 Ultra-Fast Wireless Speed	2X2 MU-MIMO		 Camera Shutter	Camera Shutter
	 USB 3.2 Reversible Type-C Connector	1 x Full Functions USB3.2 Gen 1 Type-C Connectors	Safety Standard	ASTM Toy Safety	Certified to meet ASTM F963-16 Toy Safety Standard for children over 3 years old
	Bluetooth	Bluetooth 5.0	Specifications may vary depending on region.		





	A Cover (Top)	B Cover (Screen)	C Cover (Keyboard)	D Cover (Bottom)
Color	Shale Black	Shale Black	Shale Black	Shale Black
Material	Plastic and Rubber	Plastic	Plastic and Rubber	Plastic
Finish	Texture	Texture	Texture	Texture



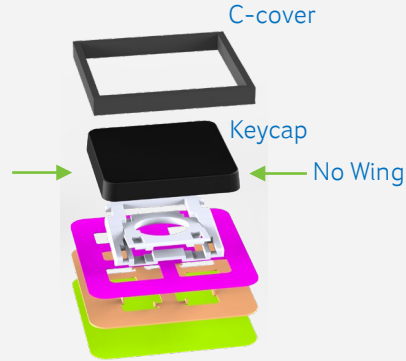
Key Differentiator

Keyboard with mechanically anchored keys

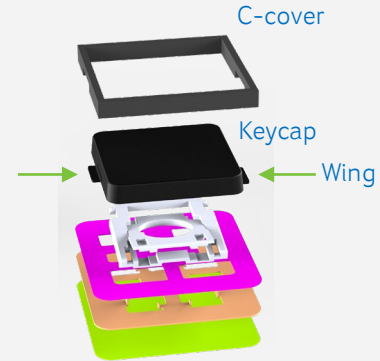
Safe From Picky Fingers – Keyboard keys are kept safe from bored and restless children with mechanically anchored keys. These keys are difficult to remove, making them ideal for classroom situations where computers are shared among students. Two mechanisms contributed to this mechanically anchored keys (image on the right).

1. The keycap has two wings on each side to prevent the key is pulled by restless fingers. The wings will be blocked by the C-cover as it is pulled upward.
2. The gap between the keycap and C-cover does not exist; therefore, it is very difficult to insert the nail under the keycap and pull it up. The keycap extends to the bottom of C-cover

Keyboard with standard key



Keyboard with mechanically anchored key



Two wings on each sides of keycap to prevent the key is pulled by restless fingers. When the keycap is pulled, the wings will be blocked by the C-cover.



Key Differentiator

ASTM Toy Safety Standard

To protect the youngest of children from harmful electrical hazards and other potential threats this product has been certified to meet the conditions of two toy safety standards: UL/IEC 60950-1¹ and ASTM F963-16².

1. This product is designed and tested to meet UL/IEC 60950-1 safety standard, investigated by UL 696 safety electric toys and meets the ASTM F963 toy safety for kids over 3 years old. For more information visit:

<https://www.astm.org/Standards/F963.htm>

2. Plastic coatings used on this product surface have been strictly tested and certified under ASTM F963-16 Toy Safety Standard and Consumer Product Safety Improvement Act (CPCIA) of 2008. For more information visit:

https://standardscatalog.ul.com/standards/en/standard_60950-1_2

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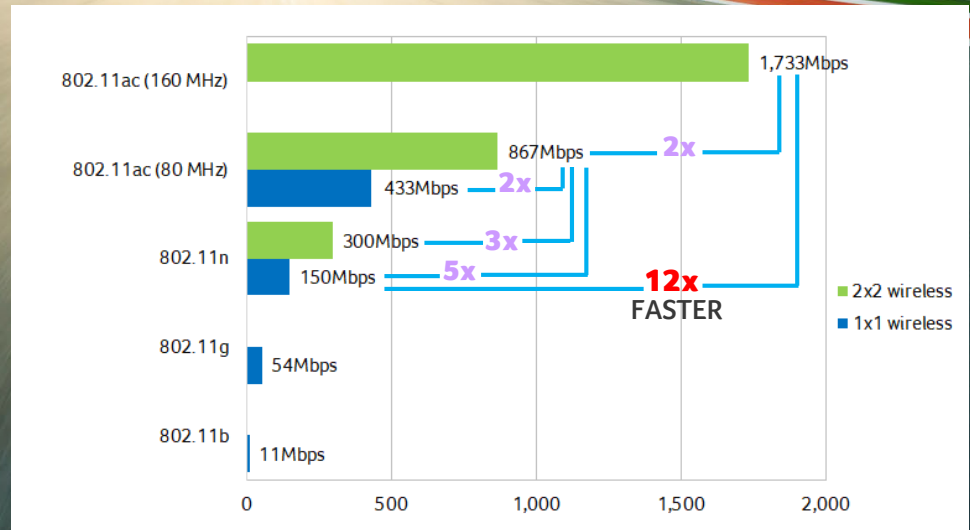
ASTM F963 toy safety for kids over 3 years old

UL/IEC 60950-1 safety standard



802.11ac 160MHz Gigabit Wi-Fi

Next-generation Gigabit Ethernet connection¹, Intel® Wireless-AC 2x2 160 MHz (1,733 Mbps) raise the bar on your wireless experience. Gigabit Wi-Fi 2x2 802.11ac 160 MHz delivers up to two times² faster wireless speeds than 2x2 802.11ac 80 MHz solutions and up to twelve times² faster than traditional 802.11n 1x1 solution.



¹Under industry recognized ideal conditions for both Wi-Fi and wired connections.

²802.11ac 2x2 160 MHz enables 1733 Mbps maximum theoretical data rates, 2x faster than standard 802.11ac 2x2 80 MHz (867 Mbps) and nearly 12x faster than baseline 1x1 BGN (150 Mbps) Wi-Fi as documented in IEEE 802.11 wireless standard specifications, and requires the use of similarly configured 802.11ac wireless network routers or better. To achieve Gigabit wireless speeds, the network requires a wireless router/access point that supports 160 MHz channels.

³802.11ac availability and specification will vary depending on model and region. To achieve the best performance, both the transmitter and receiver must support 802.11ac. The product is based on an IEEE 802.11ac standard specification. Actual speed will vary based on range, connection rate, site conditions, size of network, and other factors.

⁴2x2 refer to the number of transmit and receive radio chains built into the wireless module, which doubled wireless processing capacity.

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