TravelMate P413-51 Specifications (v6-0-6)

Category		Description	Footnotes
Operating system	1	Windows 11 Pro (Acer recommends Windows 11 Pro for business.) Windows 11 Home	
CPU and chipset	1	**Intel® Core™ i7-1355U** processor (12 MB Smart Cache, 1.7 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 5.0 GHz), supporting hybrid core architecture with Performance-core and Efficient-core **Intel® Core™ i5-1335U** processor (12 MB Smart Cache, 1.3 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.6 GHz), supporting hybrid core architecture with Performance-core and Efficient-core **Intel® Core™ i3-1315U** processor (10 MB Smart Cache, 1.2 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.5 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
Memory	1, 2, 3	Dual-channel LPDDR5 SDRAM support • 32 GB of onboard LPDDR5 system memory Dual-channel LPDDR5 SDRAM support • 16 GB of onboard LPDDR5 system memory Dual-channel LPDDR5 SDRAM support • 8 GB of onboard LPDDR5 system memory Memory Frequency : Up to 6400 MT/s	
Display		13.3" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, Acer ComfyView™ LED-backlit TFT LCD 16:10 aspect ratio, color gamut NTSC 45% Wide viewing angle up to 170 degrees Mercury free, environment friendly	4
Graphics		**Intel® Iris® Xe Graphics** eligible **Graphics Special Technology#** • OpenGL® 4.6 • OpenCL™ 3.0 • Microsoft® DirectX® 12.1 • Intel® Quick Sync Video	5
Audio		• DTS® Audio, featuring optimized bass response and micro-speaker distortion prevention • Acer Purified.Voice technology with AI noise reduction in dual built-in microphones. Features include far-field pickup, dynamic noise	

TravelMate P413-51 Specifications (v6-0-6)

	reduction through neural network, adaptive beam forming, and pre-defined personal and conference call modes. • Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound	
Storage	**Solid state drive** • 256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe	1, 6
Webcam [1]	**Video conferencing** UFC with • T-Type HD camera • Compatible with Windows only • 1280 x 720 resolution • 720p HD video at 30 fps with Temporal Noise Reduction • Blue Glass lens • Dual Mic (33 mm + 33 mm) • 78 x 3.2 (5.2) x 3 mm UFC with • T-Type USB FHD camera + IR camera • Compatible with Windows • 1920 x 1080 resolution • 1080p HD video at 60 fps with Temporal Noise Reduction • Dual Mic (33 mm + 33 mm) • 78 x 3.2 (5.2) x 3 mm	
Wireless and networking [1]	**WLAN** • Intel® Wireless Wi-Fi 6E AX211 • 802.11 a/b/g/n/ac/ax wireless LAN • Band: 2.4 GHz, 5 GHz, and 6 GHz • 2x2 MU-MIMO technology • Support CNVi interface **WPAN** Supports Bluetooth® 5.3 or above	
Security	Acer Bio-Protection fingerprint solution, featuring Pre-Boot Authentication (PBA), computer protection 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 Discrete Trusted Platform Module (TPM) solution BIOS user, supervisor, SSD passwords Kensington lock slot Camera shutter	1
Dimensions and weight [1, 7, 8]	**Dimensions** • 312.6 (W) x 221.9 (D) x 19.98/19.98 (H) mm (12.31 x 8.74 x 0.79/0.79 inches)	

TravelMate P413-51 Specifications (v6-0-6)

	Weight • 1.40 kg (3.09 lbs.) with 3-cell battery pack	

Power adapter and battery 1	**Power adapter**
	USB Type-C 65 W PD AC adapter:
	• 108 (W) x 46 (D) x 29.5 (H) mm (4.25 x 1.81 x 1.16 inches)
	• 5 V / 3 A or 9 V / 3 A or 12 V / 3 A or 15 V / 3 A or 20 V / 3.25 A as output power
	• 250 g with 150 cm DC cable
	Battery
	• 56 Wh 4-cell Li-ion battery
	• For models with Full HD Panel + SSD
	  Battery life:
	  Up to 10 hours (based on MobileMark® 2018 test results)
	• 56 Wh 3-cell Li-ion battery
	• For models with Full HD Panel + SSD
	  Battery life:
	  Up to 11 hours (based on MobileMark® 2018 test results)
	• 50 Wh 3-cell Li-ion battery
	• For models with Full HD Panel + SSD
	  Battery life:
	  Up to 8.5 hours (based on MobileMark® 2018 test results)
		9
		
		10
		
		11

Input and control	**Keyboard** 80-/81-/84-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute **TouchPad** Multi-gesture secure touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; Fingerprint application commands • Windows Hello Certification • Microsoft Precision Touchpad certification Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification • Moisture resistant • OceanGlass™ Touchpad	
Input and output	**USB Type-C** USB Type-C™ port supporting: • USB4® 40Gbps • USB4® 40Gbps • DisplayPort over USB-C • Thunderbolt™ 4 • USB charging 5 V; 3 A • DC-in port 20 V; 65 W Two USB Type-C™ ports	

TravelMate P413-51 Specifications (v6-0-6)		
	USB Standard A Two USB Standard-A ports, supporting: • Two ports for USB 3.2 Gen 1 HDMI® 2.1 port with HDCP support SmartCard reader slot Headphone/speaker jack	
Sensors	RGB color and ambient light sensor Time-of-Flight (ToF) Laser-Ranging Sensor	
Windows Desktop Apps [12]	**In-House** • Acer Control Center • Acer Product Registration • Quick Access **Security** • Acer User Sensing	
Options and accessories	**Accessory** Support Add-on features for Acer Type-C Dock III (ADK930) · MAC address pass-through to Dock (for host MAC address) · Wake-on-LAN from Sleep mode · PXE boot via Dock LAN port Support Acer USB Type-C Dock III (ADK930) · Dimension: 190 (W) x 85.3 (D) x 26.7 (H) mm (7.48 x 3.36 x 1.05 inches) · Weight: 233 g (0.52 lbs) · Supporting up to three video port (two DP 1.2, one HDMI 2.0), external display number by condition · One USB Type-C upstream port to host · One USB Type-C downstream port for device (data only) · Three USB 3.1 (one BC1.2) ports · Ethernet (RJ45) port · Up to 85 W power supply delivering to system · Audio Combo Jack · 1 m USB Type-C cable · Vertical mode with stand · VESA mount mode Support Add-on features for Acer Type-C Dock II (ADK810) · MAC address pass-through to Dock (for laptop with LAN chip) · Power button mirrors the host's · Wake-on-LAN from Sleep/Hibernate/Off mode · PXE boot via Dock LAN port · LED behavior aligned with the host power status Support Acer USB Type-C Dock II (ADK810) · Dimension: 204 (W) x 87 (D) x 23.9 (H) mm (8.03 x 3.42 x 0.94 inches) · Weight: 250 g (0.55 lbs) · Supporting up to three displays (one DP 1.2, two HDMI 2.0) with OS driver installed	

	· One USB Type-C upstream port to host · One USB Type-C downstream port for device (data only) · Three USB 3.1 (one BC1.2) ports · Ethernet (RJ45) port · Up to 60 W power supply delivering to system · Audio Combo Jack · 1 m USB Type-C cable · Vertical mode with stand · VESA mount mode	
System compliance	ENERGY STAR$^®$ Wi-Fi$^®$ EPEAT$^®$ Gold	
Warranty	One-year International Travelers Warranty (ITW)	
Quality and reliability tests	Temperature and humidity Hinge life Weight and pressure Acoustics Spillage Free drop Shock and vibration Electrostatic discharge immunity Keyboard-switch life MTBF (mean time between failures) Military Reliability Test: Mechanical Shock, Transit Drop (Packaged) 122 cm (MIL-STD 810H) Military Reliability Test: Mechanical Shock, Transit Drop (Unpackaged) 122 cm (MIL-STD 810H) Military Reliability Test: Vibration (MIL-STD 810H) Military Reliability Test: Sand and Dust (MIL-STD 810F) Military Reliability Test: Humidity (MIL-STD 810H) Military Reliability Test: Rain (MIL-STD 810H) Military Reliability Test: Low Temperature (MIL-STD 810H) Military Reliability Test: High Temperature (MIL-STD 810H)	13
Others	• Power LED indicator • Reset hole	

1. Specifications vary depending on model.
2. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment.
3. Memory speed may vary, depending on the CPU, chipset or memory fitted.
4. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
5. Not all features indicated are supported on all SKUs

6. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.

7. Minor variations in system dimensions are possible due to the manufacturing process.

8. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.

9. *Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display and resolution, etc.*

10. The listed battery life is tested by Google according to this formula (the test loops and continues running until the battery is drained): The first 60% of the test period is 1) Browsing: A new web page is loaded every minute. The web page is scrolled down to the first "page fold" (the bottom of the part of a web page that is visible on an average screen – a depth of around 600 pixels) every 10 seconds, then scrolled back up at the same rate. The next 20% of the test period is 2) Email: Gmail is loaded in the foreground tab and audio is streamed from a background tab. The next 10% is 3) Documents: Various Google Docs are loaded. The final 10% is 4) Online Video: A full-screen 720p YouTube video is played

11. The listed battery life is tested by Google according to this formula (the test loops and continues running until the battery is drained): The first 60% of the test period is 1) Browsing: A new web page is loaded every minute. The web page is scrolled down to the first "page fold" (the bottom of the part of a web page that is visible on an average screen – a depth of around 600 pixels) every 10 seconds, then scrolled back up at the same rate. The next 20% of the test period is 2) Email: Gmail is loaded in the foreground tab and audio is streamed from a background tab. The next 10% is 3) Documents: Various Google Docs are loaded. The final 10% is 4) Online Video: A full-screen 480p YouTube video is played.

12. Bundled software may vary depending on hardware configuration, OS and regional availability.

13. *MIL-STD 810G/H is a testing protocol conducted in controlled settings and does not guarantee future performance in all situations. Do not attempt to simulate these tests, as damage resulting from this will not be covered by Acer's standard warranty.*

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.

As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.
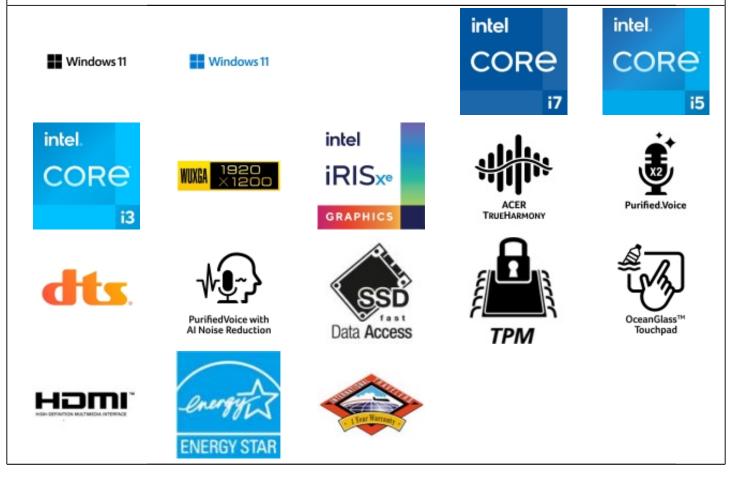
Microsoft and Windows are registered trademarks of Microsoft Corporation.

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Arc graphics, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Intel Evo, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Inside, Intel Agilex, Arria, Cyclone, Movidius, eASIC, Ethernet, Iris, Killer, MAX, Select Solutions, Si Photonics, Stratix, Tofino, and Intel Optane are trademarks of Intel Corporation or its subsidiaries.

<u>About Acer</u>

TravelMate P413-51 Specifications (v6-0-6)

Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another, creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. Please visit www.acer.com for more information.

Appendix

v4-0-4 (Ver. 2)

Power adapter and battery

v5-0-5 (Ver. 3)

Wireless and networking

v6-0-6 (Ver. 4)

Wireless and networking