TravelMate P414-53 (Win11) Specifications (v7-0-5)

Category	Description	Footnotes
Operating system [1]	Windows 11 Pro (Acer recommends Windows 11 Pro for business.) Windows 11 Home Windows 11 Pro (Windows 10 Pro Downgrade preinstalled)	
CPU and chipset [1]	Intel® Core™ **i7-1365U** processor (12 MB Smart Cache, 1.8 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 5.2 GHz, Intel® vPro™ Eligibility), supporting hybrid core architecture with Performance-core and Efficient-core 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™ **i5-1345U** processor (12 MB Smart Cache, 1.6 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.7 GHz, Intel® vPro™ Eligibility), 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 DDR4 SDRAM support: • Up to 32 GB of DDR4 system memory, upgradable to 64 GB using two soDIMM modules	3, 4
Display	14.0" display with IPS (In-Plane Switching) technology, 2.2K 2240 x 1400, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD 16:10 aspect ratio, color gamut sRGB 100% Wide viewing angle up to 170 degrees Mercury free, environment friendly	5
	14.0" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, high-brightness (400nits) Acer ComfyView™ LED-backlit TFT LCD 16:10 aspect ratio, color gamut sRGB 100% Wide viewing angle up to 170 degrees Mercury free, environment friendly	5

	14.0" 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	5
Graphics	**Intel® Iris® Xe Graphics** eligible **Graphics Special Technology#** • OpenGL® 4.6 • OpenCL™ 3.0 • Microsoft® DirectX® 12.1 • Intel® Quick Sync Video	6
	Intel® UHD Graphics **Graphics Special Technology#** • OpenGL® 4.6 • OpenCL® 3.0 • Microsoft® DirectX® 12 • Vulkan 1.2	6
Audio	• Quad build in stereo speakers at any display modes with 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 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** • SSD slot: 1 • 256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe	1, 7 1, 7
Webcam [1]	**Video conferencing** 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 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	
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 Bluetooth® 5.1 or above • Support vPro • 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 Bluetooth® 5.1 or above • Support CNVi interface **WWAN** • LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/ B25/B26/B28/B29/B30/B32/B66/B71 • LTE TDD: B34/B38/B39/B40/B41/B42/B43/B46/B48 • WCDMA/HSPA+: B1/B2/B3/B4/B5/B6/B8/B19 • Support up to LTE Cat.6 • LTE Data Rate: Maximum download 300 Mbps, upload 50 Mbps • WCDMA Data Rate: Maximum download 384 kbps, upload 385 kbps • DC-HSPA+: Maximum download 42 Mbps • eSIM is included **LAN** • Gigabit Ethernet	
Security		Acer Bio-Protection fingerprint solution, featuring Pre-Boot Authentication (PBA), computer protection Acer ProShield Security Manager including: • Data Protection: File Encryption & Decryption, Personal Secure Drive • Data Removal: File Shredder Discrete Trusted Platform Module (TPM) solution Kensington lock	1
Dimensions and weight	1, 8, 9	**Dimensions** • 319 (W) x 229 (D) x 18.9 (H) mm (12.56 x 9.02 x 0.74 inches) with Metal A Cover **Weight** • 1.387 kg (3.06 lbs.) with 3-cell battery pack with Metal cover (Notes: 1.399Kg by the sRGB 100% LCD for the lowest weight SKU, weight varient by other generic LCD (with 56W battery))	
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)	

TravelMate P414-53 (Win11) Specifications (v7-0-5)		
	• 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 1500 mm DC cable 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 1500 mm DC cable 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** • 65 Wh 4-cell Li-ion battery • Supports Fast Charging technology • 65 Wh 3-cell Li-ion battery • Supports Fast Charging technology • 56 Wh 4-cell Li-ion battery • Supports Fast Charging technology • 56 Wh 3-cell Li-ion battery • Supports Fast Charging technology	10 10
Input and control	**Keyboard** 80-/81-/84-key Acer backlight keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute. Anti-bacteria treatment (QV03P_A10BWL) **TouchPad** Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification • Moisture resistant • Corning® Gorilla® Glass (Notes: Spill Resistant Keyboard (based on MIL-STD-810H Method 506.6 Procedure III Drip test)	
Input and output	**USB Type-C** Two USB Type-C™ ports USB Type-C™ port supporting: • USB4® 40Gbps • DisplayPort over USB-C • Thunderbolt™ 4 • USB charging 5 V; 3 A • DC-in port 20 V; 65 W **USB Standard A** Two USB Standard-A ports, supporting:	

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	• One port for USB 3.2 Gen 1 • One port for USB 3.2 Gen 1 featuring power off USB charging HDMI® 2.1 port with HDCP support microSD™ Card reader DC-in jack for AC adapter 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone Ethernet (RJ-45) port SmartCard reader slot Nano SIM slot (optional)	
Sensors	Time-of-Flight (ToF) Laser-Ranging Sensor RGB color and ambient light sensor	
Windows Desktop Apps 11	**In-House** • Acer Control Center • Acer Product Registration • Quick Access **Security** • Acer User Sensing	
Options and accessories	**Accessory** SIM Card Tray Ejector Pin 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 Support Acer USB Type-C Dock I (ADK620) · Dimension: 200 (W) x 91.7 (D) x 21.5 (H) mm (7.87 x 3.61 x 0.85 inches) · Weight: 262 g (0.58 lbs) · Supporting up to two displays (one DP 1.2 and one HDMI 2.0) · One USB Type-C upstream port to host · One USB Type-C downstream port to device (data only) · Three USB 3.1 (one BC 1.2) ports · Ethernet (RJ45) port · Up to 57 W power supply delivering to system · Standalone microphone and headphone jack	

TravelMate P414-53 (Win11) Specifications (v7-0-5)		
	· 1 m USB Type-C cable	
System compliance	Intel® Project Athena Certification EPEAT® Gold ENERGY STAR® Wi-Fi®	
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 (Packaged), Transit Drop 122 cm (MIL-STD 810H) Military Reliability Test: Mechanical Shock (Unpackaged), Transit Drop 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)	

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. A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory.
5. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
6. Not all features indicated are supported on all SKUs
7. 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.
8. Minor variations in system dimensions are possible due to the manufacturing process.
9. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
10. *Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance*

TravelMate P414-53 (Win11) Specifications (v7-0-5)

variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display and resolution, etc.

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

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.
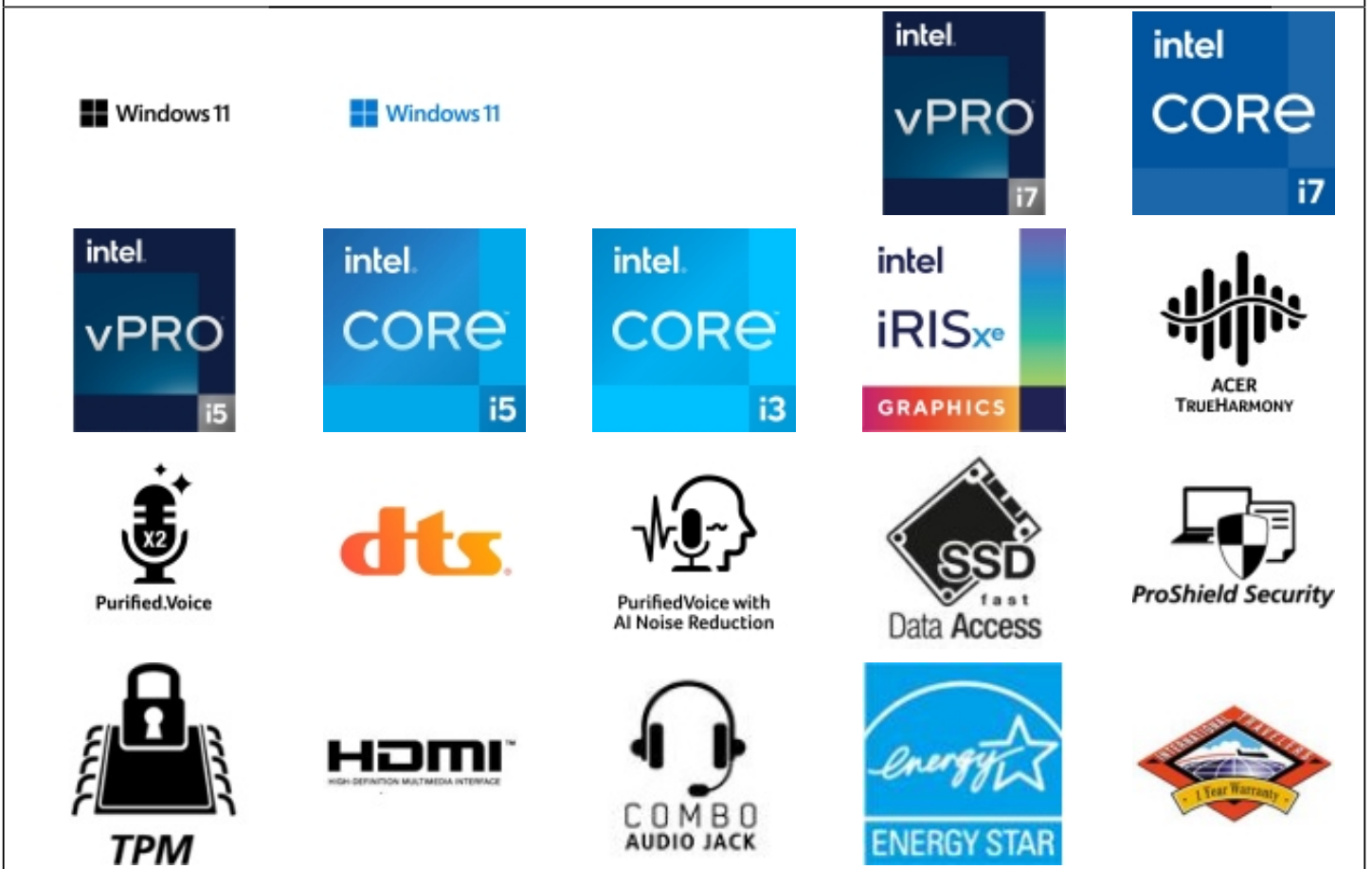
About Acer

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

v3-0-2 (Ver. 2)

Wireless and networking

v4-0-2 (Ver. 3)

Webcam

v5-0-3 (Ver. 4)

Sensors

v6-0-4 (Ver. 5)

Input and output

v7-0-5 (Ver. 6)

Dimensions and weight