



HP 14-cf2503sa i5-10210U Notebook 35.6 cm (14") Full HD Intel® Core™ i5 4 GB DDR4-SDRAM 256 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home White

Brand : HP

Product code: 2B5W9EA

Product name : 14-cf2503sa

- Intel® Core™ i5-10210U (1.6 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)
 - Windows 10 Home 64
 - 35.6 cm (14") diagonal, FHD (1920 x 1080), micro-edge, anti-glare, 220 nits, 45% NTSC
 - Intel® UHD Graphics
 - 4 GB memory; 256 GB SSD storage
- Laptop 14-cf2503sa, 14", Windows 10 Home 64, Intel® Core™ i5, 4GB RAM, 256GB SSD, FHD, Snow flake white



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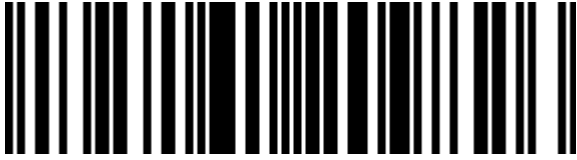
Stylish, dependable laptop with slim design

This slim, ultra-portable laptop delivers reliable performance, and makes it easy to stay social, productive, and connected to what matters with long-lasting battery life. The micro-edge display gives you lots to look at with more screen in a smaller frame.

Design		Network	
Colour name	Snow flake white	WLAN controller manufacturer	Realtek
Product type *	Notebook	Ethernet LAN	✓
Product colour *	White	Ethernet LAN data rates	10,100,1000 Mbit/s
Form factor *	Clamshell	Bluetooth	✓
Market positioning	Everyday	Bluetooth version	4.2
Country of origin	China	Miracast	✓
Display		MIMO	✓
Display diagonal *	35.6 cm (14")	MIMO type	Multi User MIMO
Display resolution *	1920 x 1080 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Panel type	SVA	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI version	1.4b
Anti-glare screen	✓	Combo headphone/mic port	✓
Display bezel technology	Micro-Edge	Keyboard	
Display brightness	220 cd/m ²	Pointing device	Touchpad
Display diagonal (metric)	35.6 cm	Numeric keypad *	✗
RGB colour space	NTSC	Island-style keyboard	✓
Colour gamut	45%	Full-size keyboard	✓
NTSC coverage (typical)	45%	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	Intel	Pre-installed software	Dropbox, Netflix
Processor generation	10th gen Intel® Core™ i5	Trial software	McAfee LiveSafe, Microsoft 365
Processor model *	i5-10210U	Operating system installed *	Windows 10 Home
Processor family *	Intel® Core™ i5	Processor special features	
Processor frequency *	1.6 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor boost frequency	4.2 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8		
System bus rate	4 GT/s		
Processor cache	6 MB		
Processor cache type	L3		

Processor		Processor special features	
Processor socket	BGA 1528	Intel® Turbo Boost Technology	2.0
Processor lithography	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Comet Lake	Intel Clear Video Technology	✓
Motherboard chipset	Intel SoC	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	15 W	Intel Flex Memory Access	✓
Configurable TDP-up frequency	2.1 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Configurable TDP-up	25 W	Intel Trusted Execution Technology	✗
Configurable TDP-down	10 W	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down frequency	0.8 GHz	Intel® Secure Key	✓
Tjunction	100 °C	Intel TSX-NI	✗
Maximum number of PCI Express lanes	16	Intel Stable Image Platform Program (SIPP)	✗
PCI Express slots version	3.0	Intel® OS Guard	✓
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel 64	✓
Internal memory *	4 GB	Execute Disable Bit	✓
Internal memory type	DDR4-SDRAM	Idle States	✓
Memory clock speed	2666 MHz	Thermal Monitoring Technologies	✓
Memory form factor	SO-DIMM	Processor package size	46 x 24 mm
Memory layout (slots x size)	1 x 4 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Memory slots	1x SO-DIMM	CPU configuration (max)	1
ECC	✗	Embedded options available	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	256 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD	Processor ARK ID	195436
Total SSDs capacity	256 GB	Brand-specific features	
Number of SSDs installed	1	HP speaker type	HP Dual Speakers
SSD capacity	256 GB	HP front camera	HP TrueVision HD
SSD interface	PCI Express, NVMe	HP segment	Home
NVMe	✓	Battery	
SSD form factor	M.2	Battery technology	Lithium-Ion (Li-Ion)
Optical drive type *	✗	Number of battery cells	3
Card reader integrated	✓	Battery capacity *	41 Wh
Compatible memory cards	SD	Battery life (max)	10 h
Graphics		Fast charging	✓
Discrete graphics card model *	Not available	Fast charging time (50%)	45 min
On-board graphics card *	✓	Battery weight	210 g
Discrete graphics card *	✗	Power	
On-board graphics card model *	Intel® UHD Graphics	AC adapter power	45 W
On-board graphics card base frequency	300 MHz	Security	
On-board graphics card dynamic frequency (max)	1100 MHz	Cable lock slot	✓
Maximum on-board graphics card memory	32 GB	Cable lock slot type	Kensington
Number of execution units	24	Sustainability	
On-board graphics card DirectX version	12.0	Sustainability certificates	EPEAT Silver, ENERGY STAR
On-board graphics card OpenGL version	4.5	Weight & dimensions	
On-board graphics card ID	0x9B41	Width	324 mm
Audio		Depth	225.9 mm
Number of built-in speakers	2	Height	19.9 mm
Built-in microphone	✓	Weight *	1.47 kg
Camera		Packaging data	
Front camera	✓	Package width	483 mm
Front camera signal format	720p		
Front camera HD type	HD		

Network		Packaging data	
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Package depth	69 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Package height	305 mm
Mobile network connection *	✘	Package weight	2.08 kg
Antenna type	1x1		
WLAN controller model	Realtek RTL8821CE		



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