HP 470 G7 Notebook PC 9TX51EA (9TX51EA)

Overview

Big screen productivity on the go

Built for productivity, the HP 470 delivers the performance and mobility essential for today's workforce. The attractive design and 17-inch diagonal anti-glare display deliver an expansive viewing experience for all your applications.

Ready for work

Power through projects with performance features common to a desktop all in your laptop. Enjoy the raw performance of a 10th gen Intel® Core™ processor[2], AMD discrete graphics, and ample storage for all your important data.

In the office or on the go

Work where you need to around the office with mobility features like HP Fast Charge[5], an HD webcam, and an onboard microphone. See everything clearly on the 17-inch diagonal display.

Stay productive

Business demands more from a PC. This 17-inch diagonal laptop comes equipped with the features like a full numeric keypad, a precision touchpad, and firmware TPM protection to keep up with your business in the office and on the go.

Features

Let nothing stand in your way

Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP.[1]

High performance, high portability

Help speed up demanding business applications with a 10th Gen Intel® Core™ processor.[3]

Help secure critical data

The Trusted Platform Module (TPM) embedded security chip provides hardware-based encryption keys to help secure your data, e-mail, and user credentials.

Fast and efficient wireless LAN

Get gigabit speed Wi-Fi® with Wi-Fi 6 (802.11ax).[4]

HP Sure Sense

Malware is evolving rapidly and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.

Powering your creativity

Power through creative applications using discrete graphics.

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[2] Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[5] Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

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[4] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ax devices. Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.

Specifications

Operating system	Windows 10 Pro 64
Product color	Ash silver
Processor family	10th Generation Intel® Core™ i3 processor
Processor	Intel® Core™ i3-10110U processor with Intel® UHD Graphics 620 (2.1 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 4 MB L3 cache, 2 cores)[6,7]
Memory	8 GB DDR4-2666 SDRAM (1 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Optical drive	Not included
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 620
Display	43.9 cm (17.3") diagonal, FHD (1920 x 1080), IPS, anti-glare, 300 nits, 72% NTSC
Display	17.3" diagonal, FHD (1920 x 1080), IPS, anti-glare, 300 nits, 72% NTSC[10,13,16]
Display size (diagonal)	43.9 cm (17.3")
Audio features	HP Audio Center, dual speakers, single digital microphone
Minimum dimensions (W x D x H)	41.48 x 27.2 x 2.45 cm
Weight	Starting at 2.36 kg *(Weight will vary by configuration. Does not include power adapter.)*
Keyboard	Full-size keyboard with numeric keypad
Pointing device	Touchpad with multi-touch gesture support
Camera	720p HD camera
Ports	2 USB 3.1 Gen 1; 1 USB 2.0; 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 1.4; 1 AC power *(HDMI cable sold separately.)*
Network interface	Integrated 10/100/1000 GbE NIC
Wireless	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds)
Power	HP Smart 65 W EM External AC power adapter[23]
Battery type	HP Long Life 3-cell, 41 Wh Li-ion
Energy efficiency	ENERGY STAR® certified
Security management	TPM 2.0; Windows Defender; Kensington Security Lock[19,20,21]
Software included	HP Connection Optimizer; HP JumpStart; HP Support Assistant; Buy Office (Sold separately); Skype[17]

UPC number	(ABE) 194850603945; (ABF) 194850048500; (ACB) 194850330506; (AKD) 194850603938
Warranty	HP Services offers a 1-year limited warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Long Life batteries will have same warranty as the platform. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc.[24]

Additional specifications

Accessories	HP USB-C/A Universal Dock G2 5TW13AA; HP USB Essential Keyboard and Mouse H6L29AA; HP 45W Smart AC Adapter 4.5mm H6Y88AA; HP Essential Messenger Case (up to 17.3") H1D25AA; HP Keyed Cable Lock 10mm T1A62AA
Battery brand	HP
Battery capacity	41
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery life note	Battery is internal and not replaceable by customer. Serviceable by warranty.
Battery type	Li-ion
Bluetooth version	Bluetooth® 5
Brightness	300 nits
Color gamut	72% NTSC
Datasheet photo 1	AHID/17c09ae89f869c077141fa8fd35c70b797fa8bc3
Datasheet photo 2	Publication photos/hp-carepack-updated.jpg
Datasheet photo 3	AHID/931e0fb619d4a64c235ad383d5181853de52c2bc
Datasheet photo 4	AHID/bd2988fc5c7a5544e3817579a5ec6207b252d741
Datasheet photo 5	AHID/6550c414000add838dbd19fee2ed9cb8f8cfeb34
Datasheet publication number	4AA7-6630
Display	43.9 cm (17.3") diagonal FHD display
Display	17.3" diagonal FHD display
Display brightness	300
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	17.3
Display size (diagonal, metric)	43.9
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	No

Fingerprint reader	Fingerprint reader not available
Graphic card footnote number	[14]
Graphics	Discrete
Graphics (discrete)	AMD Radeon™ 530 Graphics (2 GB GDDR5 dedicated)
Graphics card brand	AMD
Graphics card family	Radeon™
Graphics card memory size	2
Graphics card memory size uom	GB
Graphics card memory type	GDDR5
Legal tagline	HP recommends Windows 10 Pro for business
MDA key selling point	Windows 10 or other operating systems available
Memory and storage	8 GB memory; 256 GB SSD storage
Memory layout (slots & size)	1 x 8 GB
Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	2666
Memory speed uom	MHz
Memory type	DDR4
Model Number	530
Number of memory slots	1
Processor Brand	Intel®
Processor base frequency	2.1
Processor base frequency uom	GHz
Processor cache	4 MB L3
Processor core	2
Processor family	Core™ i3
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	10th Generation
Processor maximum frequency	4.1
Processor maximum frequency uom	GHz
Processor model	10110U
Processor speed	2.1 GHz
Processor threads	4
Product brand name	HP

Sales office and telephone number	Albania: +49 89 9396 1803; Algeria: +213 (0) 61 68 23 00; Austria: +43 (0) 810 00 60 80; Bahrain: 800 171; Belgium: +32 (02) 729 71 11; Bulgaria: +359 2 969 87; Bosnia-Herzegovina: +49 89 9396 1803; Commonwealth of Independent States (CIS): +(095) 923 50 01; Croatia: +385 1 606 02 00; Czech Republic: +420 261 108 108; Denmark: +45 48 12 10 00; HP East Africa, Authorized Consultant: +254 20 27 16 111; Egypt: HP +202 792 5070 ; Estonia: +372 6 813 820; Finland: HP Myyntipalvelu 010 217 2700; France: +33 (0) 826 800 400; Germany: +49 (0) 180 532 62 22; Greece: +30 801 11 22 55 47; Hungary: +36 (1) 382 11 11; Iceland: +354 (1) 67 10 00; Ireland: +353 1 615 82 00; Israel: +972 9 830 48 48; Italy: Prodotti +39 02 92607 330, Servizio HP Care Pack: +39 02 9212 2040; Kazakhstan & Kyrgyzstan: +7 327 2 58 43 43; Latvia: +371 703 07 00; Lithuania: +370 5 2103 300; Luxembourg : (+352) 263 160 34 Macedonia: +49 89 9396 1803; Malta: +49 89 9396 1803; Middle East (Within UAE Toll Free): 800 45 20; Moldova: +49 89 9396 1803; Morocco (African Region): Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37/+212 22 43 64 00; Netherlands: 0800 266 7272; Nigeria: + 234 13 205 241/3; Norway: +47 24 09 70 00; Poland: 0 801 522 622 and/or 00 48 22 565 77 00 (calls are charged at national rates); Portugal: +351 808 200 808 (end user welcome desk for commercial products) ; Romania: +40 (21) 303 83 00; Saudi Arabia: (Toll free) 800 897 14 33, Office Number: +96612731200; Serbia and Montenegro: +381 11 201 99 00; Slovakia: 0800 147 147; Slovenia: +386 1 230 74 20; Spain: +34 (91) 631 16 00; Sweden: +46 200 27 00 00; Switzerland: Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; Tunisia: +216 1 89 12 22; Turkey: +90 (212) 444 79 79; UAE (Toll Free): 800 45 20; UAE (Toll Free): 800 45 20 or 800 49 10; Ukraine: +380 44 490 61 20 ; United Kingdom: HP Teleweb Glasgow +44 (0) 845 270 40 00
Service description	HP 2 year Next business day onsite Notebook Only Service
Services (Care Pack)	Receive 2 years of next business day onsite HW support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Standard memory note	Transfer rates up to 2666 MT/s.
Storage capacity 01	256
Storage capacity uom 01	GB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
Touchscreen	No
Wireless Model	Wi-Fi 6 AX201
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Intel®

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[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[10] Sold separately or as an optional feature.

[13] HD content required to view HD images.

[16] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[17] HP Support Assistant requires Windows and Internet access.

[19] Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).

[20] Windows Defender Opt In, Windows 10, and internet connection required for updates.

[21] Security lock is sold separately.

[23] Availability may vary by country.

[24] HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

Accessories

Cases and Covers

★ : Recommended

Backpacks

HP 17.3 Business Backpack	**2SC67AA ★**
HP Executive 17.3 Backpack	6KD05AA

Cases

HP Prelude Pro Recycled Top Load	**1X645AA ★**
HP 15.6 Business Top Load	2SC66AA
HP 17.3 Business Roller Case	2SC68AA
HP 17.3 Business Slim Top Load	2UW02AA
HP Executive 17.3 Top Load	6KD08AA

Batteries/Chargers/Adapters

AC Adapters

HP 65W Smart AC Adapter	**H6Y89AA ★**
HP 65W Slim AC Adapter	H6Y82AA
HP 7.4 mm to 4.5 DC Dongle	K0Q39AA

Keyboards/Mice and Input Devices

Keyboard and Mouse Kits

HP Slim USB Keyboard and Mouse	**T6T83AA ★**
HP Slim Wireless Keyboard and Mouse	T6L04AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA

Mice

HP Comfort Grip Wireless Mouse	**H2L63AA ★**
HP 3-button USB Laser Mouse	H4B81AA
HP Bluetooth Travel Mouse	6SP30AA
HP Essential USB Mouse	2TX37AA
HP USB Premium Mouse	1JR32AA
HP Ultra Mobile Wireless Mouse	H6F25AA

HP Wired Desktop 320M Mouse	9VA80AA
HP Wireless Premium Mouse	1JR31AA
HP X4000b Bluetooth Mouse	H3T50AA
USB Travel Mouse	G1K28AA

Keyboards

HP Wired Desktop 320K Keyboard	9SR37AA
HP Wireless (Link-5) Keyboard	T6U20AA

Docking and Port Replicators

Docking Stations

HP USB-C/A Universal Dock G2	**5TW13AA ★**

PC Drives and Storage

PC DVD Drives

HP External USB DVDRW Drive	F2B56AA

Cables/Cable Kits/Cable Adapters

Audio and Video Cables

HP HDMI to DVI Adapter	F5A28AA

Graphics Cards

Graphics Connectors/Adapters

HP HDMI to VGA Adapter	H4F02AA

Cabinets and Stands

Notebook Stands

HP Hot Desk 2nd Monitor Arm	W3Z74AA
HP Hot Desk Stand	W3Z73AA

Monitor Stands

Monitor Stand	M9X76AA

Point of Sales System Options

POS Display Accessories

HP L5010ta	2KY27AA

Audio/Multimedia and Communication Devices

Headsets

HP Stereo 3.5mm Headset	T1A66AA
HP Stereo USB Headset	T1A67AA

Monitors

Business Monitors

★ : Recommended

P-Series

HP P24h G4 FHD Monitor	**7VH44AA ★**
HP P22h G4 FHD Monitor	7UZ36AA
HP P22h G4 FHD Monitor	7UZ36AT
HP P22v G4 Monitor	9TT53AA
HP P24h G4 FHD Monitor	7VH44AT
HP P24q G4 QHD Height Adjust Monitor	8MB10AA
HP P24v G4 Monitor	9TT78AA
HP P27h G4 FHD Monitor	7VH95AA
HP P27h G4 FHD Monitor	7VH95AT
HP P27q G4 QHD Height Adjust Monitor	8MB11AA
HP P27v G4 Monitor	9TT20AA

Value Displays

HP P224 21.5-inch Monitor	**5QG34AA ★**	
HP P244 23.8-inch Monitor	**5QG35AA ★**	
HP N246v 23.8-inch Monitor	3NS59AA	
HP P224 21.5-inch Monitor	5QG34AT	
HP P244 23.8-inch Monitor	5QG35AT	
HP V214a 20.7-inch Monitor	1FR84AS	
HP V214a 20.7-inch Monitor	1FR84AT	
HP V214a 52.57 cm (20.7") Monitor	1FR84AA	
HP V270 27-inch Monitor	3PL17AA	obsolete
HP V270 27-inch Monitor	3PL17AS	obsolete

Z Displays

HP DreamColor Z24x G2 Display	1JR59A4
HP DreamColor Z24x G2 Display	1JR59AT
HP DreamColor Z27x G2 Studio Display	2NJ08A4
HP DreamColor Z27x G2 Studio Display	2NJ08AT
HP DreamColor Z31x Studio Display	Z4Y82A4
HP DreamColor Z31x Studio Display	Z4Y82AT

HP Z22n G2 21.5-inch Display	1JS05A4
HP Z22n G2 21.5-inch Display	1JS05AT
HP Z23n G2 23-inch Display	1JS06A4
HP Z23n G2 23-inch Display	1JS06AT
HP Z24n G2 24-inch Display	1JS09A4
HP Z24n G2 24-inch Display	1JS09AT
HP Z24nf G2 23.8-inch Display	1JS07AT
HP Z24nf G2 60.45 cm (23.8") Display	1JS07A4
HP Z27 27-inch 4K UHD Display	2TB68A4
HP Z27 27-inch 4K UHD Display	2TB68AT
HP Z27n G2 27-inch Display	1JS10A4
HP Z27n G2 27-inch Display	1JS10AT
HP Z32 31.5-inch 4K UHD Display	1AA81A4
HP Z38c 37.5-inch Curved Display	Z4W65A4
HP Z38c 37.5-inch Curved Display	Z4W65AT
HP Z43 42.5-inch 4K UHD Display	1AA85A4

E-Series

HP E24d G4 FHD Advanced Docking Monitor	6PA50AA
HP E24d G4 FHD Advanced Docking Monitor	6PA50AT
HP E27d G4 QHD Advanced Docking Monitor	6PA56AA

EliteDisplays

HP E344c 34-inch Curved Monitor	6GJ95AA
HP E344c 34-inch Curved Monitor	6GJ95AT
HP EliteDisplay E202 50,8 cm (20") Monitor (ENERGY STAR)	M1F41AA
HP EliteDisplay E202 50,8 cm (20") Monitor (ENERGY STAR)	M1F41AS
HP EliteDisplay E202 50,8 cm (20") Monitor (ENERGY STAR)	M1F41AT
HP EliteDisplay E223 21.5-inch Monitor	1FH45AS
HP EliteDisplay E223 21.5-inch Monitor	1FH45AT
HP EliteDisplay E223 21.5-inch Monitor	7MP21AA
HP EliteDisplay E223 54.6 cm (21.5") Monitor	1FH45AA
HP EliteDisplay E223d 21.5-inch Docking Monitor	5VT82AA
HP EliteDisplay E223d 21.5-inch Docking Monitor	5VT82AT
HP EliteDisplay E230t 58.42 cm (23-inch) Touch Monitor	W2Z50AA
HP EliteDisplay E230t 58.42 cm (23-inch) Touch Monitor	W2Z50AS

HP EliteDisplay E230t 58.42 cm (23-inch) Touch Monitor	W2Z50AT
HP EliteDisplay E233 23-inch Monitor	1FH46AS
HP EliteDisplay E233 23-inch Monitor	1FH46AT
HP EliteDisplay E233 23-inch Monitor	7MQ32AA
HP EliteDisplay E233 58.4 cm (23") Monitor	1FH46AA
HP EliteDisplay E233 58.42 cm (23") Monitor Head Only	2PD30AA
HP EliteDisplay E243 23.8-inch Monitor	1FH47AS
HP EliteDisplay E243 23.8-inch Monitor	1FH47AT
HP EliteDisplay E243 23.8-inch Monitor	7MQ82AA
HP EliteDisplay E243 60.45 cm (23.8") Monitor	1FH47AA
HP EliteDisplay E243d 23.8-inch Docking Monitor	1TJ76AA
HP EliteDisplay E243d 23.8-inch Docking Monitor	1TJ76AT
HP EliteDisplay E243d 23.8-inch Docking Monitor	7MP20AA
HP EliteDisplay E243i 24-inch Monitor	1FH49AS
HP EliteDisplay E243i 24-inch Monitor	1FH49AT
HP EliteDisplay E243i 24-inch Monitor	7MQ83AA
HP EliteDisplay E243i 61 cm (24") Monitor	1FH49AA
HP EliteDisplay E243m 23.8-inch Monitor	1FH48AS
HP EliteDisplay E243m 23.8-inch Monitor	1FH48AT
HP EliteDisplay E243m 60.45 cm (23.8") Monitor	1FH48AA
HP EliteDisplay E243p 23.8-inch Sure View Monitor	5FT13AA
HP EliteDisplay E243p 23.8-inch Sure View Monitor	5FT13AT
HP EliteDisplay E273 27-inch Monitor	1FH50AS
HP EliteDisplay E273 27-inch Monitor	1FH50AT
HP EliteDisplay E273 27-inch Monitor	7MQ84AA
HP EliteDisplay E273 68.58 cm (27") Monitor	1FH50AA
HP EliteDisplay E273d 27-inch Docking Monitor	5WN63AA
HP EliteDisplay E273d 27-inch Docking Monitor	5WN63AT
HP EliteDisplay E273m 27-inch Monitor	1FH51AS
HP EliteDisplay E273m 27-inch Monitor	1FH51AT
HP EliteDisplay E273m 68.58 cm (27") Monitor	1FH51AA
HP EliteDisplay E273q 27-inch Monitor	1FH52AS
HP EliteDisplay E273q 27-inch Monitor	1FH52AT
HP EliteDisplay E273q 27-inch Monitor	7MQ85AA
HP EliteDisplay E273q 68.58 cm (27") Monitor	1FH52AA
HP EliteDisplay E324q 31.5-inch QHD Monitor	5DP31AA

| HP EliteDisplay E324q 31.5-inch QHD Monitor | 5DP31AS |
| HP EliteDisplay E324q 31.5-inch QHD Monitor | 5DP31AT |

Healthcare Edition Displays

HP Healthcare Edition HC241 Clinical Review Monitor	3ME68AA
HP Healthcare Edition HC241p Clinical Review Monitor	3ME69AA
HP Healthcare Edition HC270cr Clinical Review Monitor	1QW03AA

Large Format Display

| HP LD5512 4K UHD Conferencing Display | 2YD85AA |

Business LCD Monitors

HP P204 19.5-inch Monitor	5RD65AA
HP P204 19.5-inch Monitor	5RD65AS
HP P204 19.5-inch Monitor	5RD65AT

Software

Application Software

Desktop Application Software

Microsoft Office 2016 Home and Business Software	X7Q47AA
Microsoft Office 2016 Home and Student Software	X7Q46AA

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