

## HP Essential 470 G8 Laptop 43.9 cm (17.3") Full HD Intel® Core™ i5 i5-1135G7 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Silver

Brand: HP Product family: Essential Product code: 3S8R4EA

**Product name:** 470 G8

- Intel® Core™ i5-1135G7 (up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)
- Windows 10 Pro
- 43.9 cm (17.3") diagonal FHD display
- Intel® Iris® Xe Graphics

Configurable TDP-down

12 W

- 8 GB memory; 256 GB SSD storage

470 G8 Notebook PC, 17.3", Windows 10 Pro, Intel® Core™ i5, 8GB RAM, 256GB SSD, FHD

HP Essential 470 G8 Laptop 43.9 cm (17.3") Full HD Intel® Core $^{\text{TM}}$  i5 i5-1135G7 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Silver:

## Big screen productivity on the go

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











Design		Network	
Product type * Product colour * Form factor * Market positioning Introduction year Intel® vPro™ Platform Eligibility Country of origin	Laptop Silver Clamshell Everyday 2021  China	Top Wi-Fi standard * Wi-Fi standards Mobile network connection * Antenna type WLAN controller model WLAN controller manufacturer Bluetooth	Wi-Fi 6 (802.11ax) Wi-Fi 6 (802.11ax)
Display		Bluetooth version Miracast	5.0
Display diagonal * 43.9 cm (17.3") Display resolution * 1920 x 1080 pixels	, ,	Ports & interfaces	•
Touchscreen * HD type Panel type Native aspect ratio Anti-glare screen Display brightness Display diagonal (metric) RGB colour space Colour gamut  Processor	type Full HD  let type IPS  tive aspect ratio 16:9  ti-glare screen  play brightness 300 cd/m²  play diagonal (metric) 43.9 cm  B colour space NTSC  our gamut 72%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * HDMI ports quantity * HDMI version Combo headphone/mic port Charging port type  Keyboard Pointing device	2 1 1 1.4  ✓ DC-in jack Touchpad
Processor manufacturer *	Intel	Numeric keypad * Full-size keyboard	1
Processor generation Processor family *	11th gen Intel® Core™ i5 Intel® Core™ i5	Software	•
Processor model * Processor boost frequency	i5-1135G7 4.2 GHz	Operating system architecture Operating system installed *	64-bit Windows 10 Pro
Processor threads	8	Processor special features	
Processor cores Processor cache Processor cache type Configurable TDP-up frequency Configurable TDP-up	4 8 MB L3 2.4 GHz 28 W	Intel Trusted Execution Technology Intel VT-x with Extended Page Tables (EPT) Intel Stable Image Platform Program (SIPP)	<b>√</b>

Intel Software Guard Extensions (Intel SGX)   Intel SGX (Intel SGX)   Intel SGX (Intel SGX)   Internal memory *   8 GB				
Memory     (Intel SGX)       Internal memory **     8 GB     CPU configuration (max)     1       Internal memory type     DDRA-SDRAM     Embedded options available     X       Memory clock speed     3200 MHz     Intel Virtualization Technology for Directed UP (VT-d)     V       Memory layout (slots x size)     1 x 8 GB     Intel Virtualization Technology (VT-d)     V       Memory layout (slots x size)     1 x 50-DIMM     X)       ECC     X     Brand-specific features       ECC     X     Brand-specific features       Storage     HP Support Assistant     V       Total storage capacity *     256 GB     HP Support Assistant     V       Storage media *     SSD     HP Font Camera     HP Webcam       Number of SSDs installed     1     HP segment     Business       Number of SSDs installed     1     HP segment     Business       SSD capacity     256 GB     Battery       SSD interface     NVMe     Battery technology     Lithium-lon (Li-lon)       NVMe     V     Battery capacity *     41 Wh       Graphics     Non-board graphics card model *     Not available     AC adapter power     45 W       On-board graphics card *     V     Cable lock slot     V       On-board graphics card * <td< td=""><td>Processor</td><td></td><td>Processor special features</td><td></td></td<>	Processor		Processor special features	
Memory         Idle States         ✓           Internal memory *         8 GB         CPU configuration (max)         1           Internal memory type         DDR4-SDRAM         Embedded options available         X           Memory clock speed         3200 MHz         Intel Virtualization Technology for Directed I/O (VT-d)         ✓           Memory form factor         50-DIMM         Directed I/O (VT-d)         ✓           Memory slots         1 x SO-DIMM         N           ECC         X         Brand-specific features           ECC         X         Brand-specific features           Storage         HP Speaker type         HP Dual Speakers           Storage apacity*         256 GB         HP Support Assistant         ✓           Total Storage capacity*         256 GB         HP Smart AC Adapter         ✓           Storage media*         5SD         HP Smart AC Mapter         ✓           Wumber of SSDs installed         1         HP segment         Business           SSD interface         NVMe         Battery         Lithium-lon (Li-lon)           NVMe         A subtery technology         Lithium-lon (Li-lon)           Nymber of SSDs installed         1         Number of battery cells         3           Opt		0.9 GHz		×
Internal memory type    DR4-SDRAM   Embedded options available   X     Memory clock speed   3200 MHz   Intel Virtualization Technology for     Memory form factor   SO-DIMM   Directed I/O (VT-d)     Memory layout (slots x size)   1 x 8 GB   Intel Virtualization Technology (VT- x)     Memory slots   1 x SO-DIMM   X     Memory slots   X SO-DIMM   X SO-DIMM   X     Memory slots   X SO-DIMM   X SO-DIMM   X     Memory slots   X SO-DIMM   X SO-	Memory		` ,	1
Memory clock speed     3200 MHz     Intel Virtualization Technology for Directed I/D (VT-d)     V       Memory form factor     SO-DIMM     Directed I/D (VT-d)     V       Memory slots     1 x 8 GB     Intel Virtualization Technology (VT-d)     V       Memory slots     1 x 50-DIMM     x)     V       ECC     X     Brand-specific features       Storage     HP Support Assistant     V       Total storage capacity     256 GB     HP Support Ac Adapter     V       Total SSDs capacity     256 GB     HP Font camera     HP Webcam       Number of SSDs installed     1     HP segment     Business       SSD interface     NVMe     Battery     Lithium-Ion (Li-Ion)       NVMe     V     Number of battery cells     3       Optical drive type     X     Battery technology     Lithium-Ion (Li-Ion)       NVMe     V     Number of battery cells     3       Optical drive type     X     Battery capacity     4 Wh       On-board graphics card model     Not available     Ac adapter power     45 W       On-board GPU manufacturer     Intel     Cable lock slot     Y       On-board graphics card     X     Cable lock slot     Y       On-board graphics card model     X     Sustainability certificates	Internal memory *	8 GB	CPU configuration (max)	1
Memory form factor     SO-DIMM     Directed I/O (VT-d)     V       Memory layout (slots x size)     1 x 8 GB     Intel Virtualization Technology (VT-W)     V       Memory slots     1 x SO-DIMM     x)       ECC     X     Brand-specific features       Storage     HP Support Assistant     V       Total storage capacity*     256 GB     HP Support Assistant     V       Storage media*     SSD     HP Smart AC Adapter     V       Total SSDs capacity     256 GB     HP Font camera     HP Webcam       Number of SSDs installed     1     HP segment     Business       SSD capacity     256 GB     Battery       SSD interface     NVMe     Battery technology     Lithium-lon (Li-lon)       NVMe     V     Number of battery cells     3       Optical drive type*     X     Battery technology     Lithium-lon (Li-lon)       NVMe     V     Number of battery cells     3       Battery capacity*     41 Wh     Power       Discrete graphics card model*     Not available     AC adapter power     45 W       On-board graphics card*     V     Trusted Platform Module (TPM)     V       On-board graphics card*     Intel Iris Xe Graphics     Trusted Platform Module (TPM)     V       Number of built-in speakers </td <td>, ,,</td> <td></td> <td>Embedded options available</td> <td>×</td>	, ,,		Embedded options available	×
Memory slots     1x SO-DIMM     x)       ECC     X     Brand-specific features       Storage     HP Support Assistant     4P Dual Speaker Speakers       Total storage capacity     256 GB     HP Smart AC Adapter     4       Total SSDs capacity     256 GB     HP Front camera     HP Webcam       Number of SSDs installed     1     HP segment     Business       SSD capacity     256 GB     Battery       SSD interface     NVMe     Battery technology     Lithium-Ion (Li-Ion)       NVMe     4     Number of battery cethnology     Lithium-Ion (Li-Ion)       NVMe     4     Number of battery cethnology     Lithium-Ion (Li-Ion)       NVMe     Number of battery cethnology     Lithium-Ion (Li-Ion)       NVMe     Battery capacity     41 Wh       Graphics     Not available     AC adapter power     45 W       On-board graphics card model     Not available     AC adapter power     45 W       On-board graphics card     Y     Cable lock slot     Y       On-board graphics card     X     Cable lock slot     Y       On-board graphics card model     Intel Iris Xe Graphics     Trusted Platform Module (TPM)     Y       Number of built-in speakers     2     Sustainability certificates     ENERGY STAR       Buil	Memory clock speed Memory form factor		3,	✓
Memory slots     1x SO-DIMM     X)       ECC     X     Brand-specific features       Storage     HP Support Assistant     /       Total storage capacity *     256 GB     HP Support Assistant     /       Storage media *     SSD     HP Smart AC Adapter     /       Total SSDs capacity     256 GB     HP Front camera     HP Webcam       Number of SSDs installed     1     He segment     Business       SSD capacity     256 GB     Battery     Lithium-lon (Li-lon)       SSD interface     NVMe     Battery technology     Lithium-lon (Li-lon)       NVMe     Y     Mumber of battery cells     3       Optical drive type *     X     Battery capacity *     41 Wh       Graphics     Power       Discrete graphics card model *     NOt available     AC adapter power     45 W       On-board graphics card *     Y     Security       On-board graphics card *     X     Cable lock slot     Y       On-board graphics card model *     Intel Iris Xe Graphics     Trusted Platform Module (TPM)     Y       Audio     Sustainability certificates     ENERGY STAR       Built-in microphone     Y     Sustainability certificates     ENERGY STAR       Built-in microphones     2     Sustainability certificates	Memory layout (slots x size)	1 x 8 GB	Intel Virtualization Technology (VT-	1
Storage       HP speaker type       HP Dual Speakers         Total storage capacity*       256 GB       HP Support Assistant       ✓         Storage media*       SSD       HP Smart AC Adapter       ✓         Total SSDs capacity       256 GB       HP front camera       HP Webcam         Number of SSDs installed       1       HP segment       Business         SSD capacity       256 GB       Battery       Lithium-lon (Li-lon)         SSD interface       NVMe       Battery technology       Lithium-lon (Li-lon)         NVMe       ✓       Number of battery cells       3         Optical drive type *       X       Battery technology       Lithium-lon (Li-lon)         NVMe       ✓       Number of battery cells       3         Optical drive type *       X       Battery technology       Lithium-lon (Li-lon)         Number of battery cells       3       3         Optical drive type *       X       Battery technology       41 Wh         Graphics       Not available       AC adapter power       45 W         On-board Grell manufacturer       Intel       Cable lock slot       ✓         On-board graphics card model *       Intel Iris Xe Graphics       Trusted Platform Module (TPM)<	Memory slots	1x SO-DIMM	x)	*
Total storage capacity* 256 GB HP Support Assistant   Storage media* SSD HP Smart AC Adapter   Total SSDs capacity 256 GB HP front camera   HP Webcam HP Segment   Business   HP Support Assistant   HP Webcam HP Webcam   HP Webcam   HP Webcam   HP Webcam   HP Webcam   HP Webcam   HP Segment   Business   HP Support Assistant   HP Webcam   HP Support Assistant   A date of the Intel Int	ECC	×	Brand-specific features	
Storage media * SSD HP Smart AC Adapter   Total SSDs capacity   256 GB HP Front camera   HP Webcam   Business   HP Segment   Business   SSD Lapacity   SSD interface   NVMe   SSD interface   NVMe   Number of SSDs interface   NVMe   Number of battery cells   Battery capacity   SGD interface   NVMe   Number of battery cells   Battery capacity   SGD interface   NVMe   Number of battery cells   Battery capacity   SGD interface   Not available   AC adapter power   SECURITY   On-board graphics card model * Not available   Not available   Not available   SECURITY   On-board graphics card *  On-board graphics card *  Non-board graphics card model * Intel Iris Xe Graphics   Trusted Platform Module (TPM)   Number of built-in speakers   Sustainability certificates   Sustainability certificates   Sustainable technologies and bezel; Low Halogen; Bulk packaging available   Camera   Weight & dimensions Front camera Signal format   720p   Depth   Height   19,9 mm	Storage		HP speaker type	HP Dual Speakers
Total SSDs capacity 256 GB HP front camera HP Webcam Number of SSDs installed 1 SSD capacity 256 GB Battery SSD interface NVMe Battery technology Lithium-Ion (Li-Ion) NVMe V Number of battery cells 3 Optical drive type* X Battery capacity* 41 Wh  Graphics Discrete graphics card model* Not available AC adapter power AC AC	Total storage capacity *	256 GB	HP Support Assistant	✓
Number of SSDs installed 1	Storage media *	SSD	HP Smart AC Adapter	✓
SSD capacity 256 GB Battery  SSD interface NVMe Battery technology Lithium-lon (Li-lon)  NVMe Number of battery cells 3 Optical drive type * X Battery capacity * 41 Wh  Graphics Power  Discrete graphics card model * Not available Ac adapter power Ac adapter power Ac Ac adapter power Ac Ac adapter power Ac	Total SSDs capacity	256 GB	HP front camera	HP Webcam
SSD interface NVMe Battery technology Lithium-lon (Li-lon) NVMe V Number of battery cells 3 Optical drive type * X Battery capacity * 41 Wh  Graphics Power  Discrete graphics card model * Not available AC adapter power AC	Number of SSDs installed	1	HP segment	Business
NVMe	SSD capacity	256 GB	Battery	
Optical drive type *	SSD interface	NVMe	Battery technology	Lithium-lon (Li-lon)
Graphics     Fower       Discrete graphics card model * On-board graphics card * ✓     Not available AC adapter power     45 W       On-board GPU manufacturer Intel     Security     ✓       On-board graphics card * ✓     X     Cable lock slot     ✓       On-board graphics card model * Intel Iris Xe Graphics     Trusted Platform Module (TPM)     ✓       Audio     Sustainability     ENERGY STAR       Number of built-in speakers     2     Sustainability certificates     ENERGY STAR       Built-in microphone Number of microphones     ✓     Sustainable technologies and materials     Ocean-bound plastic in cover and bezel; Low Halogen; Bulk packaging available       Camera     Weight & dimensions       Front camera     ✓     Width     400.7 mm       Front camera signal format     720p     Depth     257.8 mm       Front camera HD type     HD     Height     19.9 mm	NVMe	✓	Number of battery cells	3
Discrete graphics card model * Not available AC adapter power 45 W On-board graphics card *	Optical drive type *	×	Battery capacity *	41 Wh
On-board graphics card *	Graphics		Power	
On-board GPU manufacturer  Discrete graphics card *	Discrete graphics card model *		AC adapter power	45 W
Discrete graphics card * X Cable lock slot On-board graphics card model * Intel Iris Xe Graphics  Audio  Number of built-in speakers Built-in microphone Number of microphones 2  Camera  Front camera Front camera HD type  Number of card model * Intel Iris Xe Graphics Intel Iris Xe Graphics Trusted Platform Module (TPM)  Sustainability Sustainability certificates Sustainability certificates Sustainabile technologies and materials  Weight & dimensions  Width Depth Depth Hight 19.9 mm	- ·	•	Security	
On-board graphics card model * Intel Iris Xe Graphics Trusted Platform Module (TPM)    Audio  Number of built-in speakers 2 Built-in microphone   Number of microphones 2  Camera  Front camera   Front camera HD type    Intel Iris Xe Graphics   Intel Iris Xe Graphics    Trusted Platform Module (TPM)    Audio  Sustainability certificates   Sustainability certificates   Sustainabile technologies and materials    Weight & dimensions  Width    Au0.7 mm  Poepth    Poepth    Front camera HD type    HD    Height    Height    19.9 mm			Cable lock slot	1
Number of built-in speakers 2 Built-in microphone	On-board graphics card model *		Trusted Platform Module (TPM)	✓
Built-in microphone	Audio		Sustainability	
Built-in microphone ✓ Sustainable technologies and Number of microphones 2 Weight & dimensions  Front camera Front camera HD type HD HD HD HD HEIGHT SUSTAINANT SUST	Number of built-in speakers	2	Sustainability certificates	ENERGY STAR
Number of microphones 2 materials bezet; Low Halogen; Bulk packaging available  Camera  Weight & dimensions  Front camera 400.7 mm  Front camera signal format 720p Depth 257.8 mm  Front camera HD type HD Height 19.9 mm	•		Sustainable technologies and	
Front camera 400.7 mm Front camera HD type HD Height 400.7 mm Height 400.7 mm  400.7 mm  257.8 mm  19.9 mm	Number of microphones	2	5	
Front camera signal format 720p Depth 257.8 mm Front camera HD type HD Height 19.9 mm	Camera		Weight & dimensions	
Front camera HD type HD Height 19.9 mm	Front camera	✓	Width	400.7 mm
neight 19.9 him	Front camera signal format	720p	Depth	257.8 mm
Weight * 2.08 kg	Front camera HD type	HD	Height	19.9 mm
			Weight *	2.08 kg



































Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.