



HP ENVY 15-as010ca Intel® Core™ i5 i5-6200U Laptop 39,6 cm (15.6") Touchscreen Full HD 8 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Silver

Brand : HP

Product family: ENVY

Product code: W7E04UA

Product name : 15-as010ca

Intel Core i5-6200U (2.3GHz, 2 Cores), 15.6" (1920 x 1080) Touch, 8GB DDR4-SDRAM 1866MHz (1 x 8), 1000GB SATA HDD 5400, Intel HD Graphics 520, WLAN 802.11ac, Bluetooth 4.0, Windows 10 Home 64-bit

HP ENVY 15-as010ca. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-6200U, Processor frequency: 2,3 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. Operating system installed: Windows 10 Home. Product colour: Silver



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Silver	Numeric keypad *	✓
Form factor *	Clamshell	Windows keys	✓
Country of origin	China		
Display		Software	
Display diagonal *	39,6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1920 x 1080 pixels	Operating system installed *	Windows 10 Home
Touchscreen *	✓		
HD type	Full HD	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Display surface	Matt	Intel® Smart Response Technology	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor generation	6th gen Intel® Core™ i5	Intel® Small Business Advantage (Intel® SBA)	✓
Processor model *	i5-6200U	Enhanced Intel SpeedStep Technology	✓
Processor cores	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel Clear Video Technology	✓
Processor boost frequency	2,8 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2,3 GHz	Intel® Insider™	✓
System bus rate	4 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	3 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Processor socket	LGA 1356 (Socket B2)	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor series	Intel Core i5-6200 series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Skylake		
Bus type	QPI		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2,4 GHz		
Configurable TDP-up	25 W		

Processor		Processor special features	
Configurable TDP-down	7,5 W	Intel® Secure Key	✓
Configurable TDP-down frequency	0,8 GHz	Intel TSX-NI	✗
Tjunction	100 °C	Intel Stable Image Platform Program (SIPP)	✗
Maximum number of PCI Express lanes	12	Intel® OS Guard	✓
PCI Express slots version	3.0	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express configurations	1x4, 4x1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Internal memory type	DDR4-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	1866 MHz	Processor package size	42 X 24 mm
Memory form factor	SO-DIMM	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Memory layout (slots x size)	1 x 8 GB	Processor code	SR2EY
Maximum internal memory *	16 GB	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	1 TB	Graphics & IMC lithography	14 nm
Storage media *	HDD	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total kapasitas HDD	1 TB	Intel Identity Protection Technology version	1,00
Number of hard drives installed	1	Intel Smart Response Technology version	1,00
Hard drive capacity	1 TB	Intel Stable Image Platform Program (SIPP) version	0,00
Hard drive interface	SATA	Intel Secure Key Technology version	1,00
Hard drive speed	5400 RPM	Intel Small Business Advantage (SBA) version	1,00
Optical drive type *	✗	Intel TSX-NI version	1,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	SD	Processor ARK ID	88193
Graphics		Conflict-Free processor	✓
Discrete graphics card model *	Not available	Battery	
On-board graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card *	✗	Number of battery cells	3
On-board graphics card family	Intel® HD Graphics	Battery capacity *	52 Wh
On-board graphics card model *	Intel® HD Graphics 520	Power	
On-board graphics card base frequency	300 MHz	AC adapter power	45 W
On-board graphics card dynamic frequency (max)	1000 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	1,74 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	Power auto-sensing	✓
On-board graphics card OpenGL version	4.4	Security	
On-board graphics card ID	1916	Cable lock slot	✓
Audio		Cable lock slot type	Kensington
Number of built-in speakers	2	Password protection	✓
Speakers manufacturer	Bang & Olufsen	Password protection type	Power on
Built-in subwoofer	✗	Operational conditions	
Built-in microphone	✓	Operating temperature (T-T)	5 - 35 °C
Camera		Storage temperature (T-T)	-15 - 60 °C
Front camera	✓	Operating relative humidity (H-H)	10 - 80%
Network		Storage relative humidity (H-H)	10 - 90%
Wi-Fi	✓	Operating altitude	0 - 3050 m
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Non-operating altitude	0 - 4570 m
Ethernet LAN	✗	Operating shock	40 G
Bluetooth	✓	Non-operating shock	240 G
Bluetooth version	4.0		

Ports & interfaces		Operational conditions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Operating vibration	1,043 G
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Non-operating vibration	3,5 G
HDMI ports quantity *	1	Sustainability	
DVI port	✗	Sustainability certificates	EPEAT Silver, ENERGY STAR
S/PDIF out port	✗	Weight & dimensions	
Microphone in	✗	Width	380 mm
Combo headphone/mic port	✓	Depth	255 mm
Docking connector	✗	Height	18 mm
ExpressCard slot	✗	Weight *	1,94 kg
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Accelerometer	✓		

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