



## HP ENVY 6420e Wireless All-in-One Color Printer, Instant Ink; Copier, Scanner



**Brand :** HP

**Product family:** ENVY

**Product code:** 223R4B

**Product name :** Envy 6420e  
Wireless All-in-One Color Printer,  
Instant Ink; Copier, Scanner

- Wireless; HP+; HP Instant Ink eligible; Print from phone or tablet
- Print, copy, scan, send mobile fax
- Print speed up to 10 ppm (black) and 7 ppm (color)
- Up to 1200X 1200 rendered dpi (when Printing from a computer)

Envy 6420e AiO Printer

HP ENVY 6420e Wireless All-in-One Color Printer, Instant Ink; Copier, Scanner. Print technology: Thermal inkjet, Printing: Colour printing, Maximum resolution: 4800 x 1200 DPI, Print speed (colour, normal quality, A4/US Letter): 7 ppm. Copying: Colour copying, Maximum copy resolution: 300 x 300 DPI. Scanning: Colour scanning, Optical scanning resolution: 1200 x 1200 DPI. Faxing: Mono faxing. Duplex functions: Print. Maximum ISO A-series paper size: A4. Wi-Fi. Product colour: White

Printing		Ports & interfaces	
Duplex printing mode	Auto	USB port	✓
Print resolution colour	4800 x 1200 DPI	USB 2.0 ports quantity	1
Print resolution black	1200 x 1200 DPI	Network	
Print technology *	Thermal inkjet	Wi-Fi *	✓
Printing *	Colour printing	Ethernet LAN *	✗
Duplex printing *	✓	Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Maximum resolution *	4800 x 1200 DPI	Bluetooth	✓
Print speed (black, normal quality, A4/US Letter) *	10 ppm	Mobile printing technologies	Apple AirPrint, Mopria Print Service
Print speed (colour, normal quality, A4/US Letter)	7 ppm	Performance	
Print speed (black, draft quality, A4/US Letter)	20 ppm	Maximum internal memory	256 MB
Print speed (colour, draft quality, A4/US Letter)	17 ppm	Card reader integrated	✗
Print speed (ISO/IEC 24734) black	10 ppm	Internal memory *	256 MB
Print speed (ISO/IEC 24734) colour	7 ppm	Built-in processor	✓
Time to first page (black, normal)	18 s	Processor frequency	800 MHz
Time to first page (colour, normal)	21 s	Sound pressure level (printing)	56 dB
Borderless printing	✓	Sound power level (printing)	6.5 dB
Copying		Design	
Duplex copying *	✓	Product colour *	White
Copying *	Colour copying	Market positioning *	Home & office
Maximum copy resolution *	300 x 300 DPI	Built-in display *	✗
Copy speed (black, normal quality, A4)	8 cpm	Power	
Copy speed (colour, normal quality, A4)	4 cpm	Power consumption (PowerSave)	0.15 W
Maximum number of copies	9 copies	Power consumption (ready)	4 W
Auto fit function	✓	Power consumption (sleep)	1.7 W
Scanning		Power consumption (off)	0.15 W
Duplex scanning *	✗	Energy Star Typical Electricity Consumption (TEC)	0.31 kWh/week
Scanning *	Colour scanning	AC input voltage	100 - 240 V
Optical scanning resolution *	1200 x 1200 DPI	AC input frequency	50/60 Hz
Optical scanning resolution (black)	1200 x 1200 ppi	Brand-specific features	
Optical scanning resolution (colour)	1200 x 1200 ppi	HP Instant Ink	✓
Maximum scan resolution	1200 x 1200 DPI	HP Dynamic security	✓
Maximum scan area	216 x 297 mm	HP GTIN (EAN/UPC)	195161625237

Scanning		System requirements	
Scanner type *	Flatbed & ADF scanner	Windows operating systems supported	Windows 11, Windows 10, Windows 7
Scan technology	CIS	Mac operating systems supported	Mac OS X 12.0 Monterey, Mac OS X 10.14 Mojave, Mac OS X 13.0 Ventura, Mac OS X 11.0 Big Sur, Mac OS X 10.13 High Sierra, Mac OS X 10.12 Sierra, Mac OS X 10.15 Catalina
Scan to	Software		
Scan speed (colour)	200 ppm		
Scan speed (black)	200 ppm		
Image formats supported	BMP, JPEG, PNG, TIFF	Other operating systems supported	ChromeOS
Document formats supported	PDF		
Input colour depth	24 bit	<b>Operational conditions</b>	
Greyscale levels	256		
Scan drivers	TWAIN		
Fax		Operating relative humidity (H-H)	20 - 80%
Faxing *	Mono faxing	Storage temperature (T-T)	-40 - 60 °C
Modem speed	14.4 Kbit/s	Operating temperature (T-T)	5 - 40 °C
Auto-redialing	✗	Non-operating relative humidity (non-condensing)	20 - 80%
Fax forwarding	✓	<b>Certificates</b>	
Fax delayed sending	✗		
Auto reduction	✗		
Features		Certification	CISPR 32:2012 / EN 55032:2012 Class B CISPR 32:2015 / EN 55032:2015 Class B CISPR 24:2010 / EN 55024:2010 CISPR 35:2016 / EN 55035:2017 FCC CFR 47 Part 15 Class B ICES-003, Issue 6 VCCI-CISPR 32:2016 EN 301 489-1 V2.1.1:2017 EN 301 489-17 V3.1.1:2017
Recommended duty cycle	100 - 400 pages per month		
Maximum duty cycle *	1000 pages per month		
Duplex functions *	Print		
Number of print cartridges *	2	<b>Carbon footprint</b>	
Printing colours *	Black, Cyan, Magenta, Yellow		
Page description languages	PCL 3 GUI		
All-In-One-multitasking	✓		
Country of origin	China, Thailand	Total carbon footprint (kg of CO2e)	60
Replacement cartridges	HP 305 Black Original Ink Cartridge (~120 pages yield) 3YM61AE; HP 305XL Black High-Yield Original Ink Cartridge (~240 pages yield) 3YM62AE; HP 305 Tri-Color Original Ink Cartridge (~100 pages yield) 3YM60AE; HP 305XL Tri-Color High-Yield Original Ink Cartridge (~200 pages yield) 3YM63AE. Actual yield varies considerably based on content of printed pages and other factors. For details see <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a>	Carbon emissions, manufacturing (kg of CO2e)	50
		Carbon emissions, logistics (kg of CO2e)	3
		Carbon emissions, end-of-life (kg of CO2e)	3
			Total carbon emissions, w/o use phase (kg of CO2e)
HP segment	Home	<b>Weight &amp; dimensions</b>	
<b>Input &amp; output capacity</b>		Width	432.5 mm
		Depth	361.1 mm
		Height	174 mm
		Weight	6.16 kg
Total number of input trays *	1	<b>Packaging data</b>	
Total input capacity *	100 sheets	Package width	474 mm
Total output capacity *	25 sheets	Package depth	218 mm
Auto document feeder (ADF)	✓	Package height	408 mm
Auto document feeder (ADF) input capacity	35 sheets	Package weight	7.55 kg
Maximum number of input trays	1	<b>Packaging content</b>	
Maximum input capacity	100 sheets		
Maximum output capacity	25 sheets		
Paper handling		Cartridge(s) included	✓
Maximum ISO A-series paper size *	A4	Included cartridge capacity (black)	120 pages
Maximum print size	100 x 150 mm	Included cartridge capacity (CMY)	75 pages
Paper tray media types *	Glossy paper, Matte paper, Photo paper, Plain paper, Recycled paper, Thick paper	Cables included	AC
		Bundled software	HP Printer Software, available online
		<b>Logistics data</b>	
Harmonized System (HS) code	84433100		
Pallet gross weight	474 kg		
ISO A-series sizes (A0...A9) *	A4, A5, A6	Layers per pallet	6 pc(s)
ISO B-series sizes (B0...B9)	B5	Products per pallet	60 pc(s)
ISO C-series sizes (C0...C9)	C6	<b>Technical details</b>	
Envelopes sizes	B5, C6, DL	Master (outer) cases per pallet layer 10 pc(s) General Product Safety Regulation (GPSR) URL: <a href="https://support.hp.com/gb-en/product/setup-user-guides/hp-envy-6400e-all-in-one-printer-series/model/2100187522?sku=223R4B&amp;serialnumber=223R4B">https://support.hp.com/gb-en/product/setup-user-guides/hp-envy-6400e-all-in-one-printer-series/model/2100187522?sku=223R4B&amp;serialnumber=223R4B</a>	
Borderless printing media sizes	A4, Letter	<b>Other features</b>	
Custom media width	76.2 - 216 mm		
Custom media length	127 - 594 mm		
Paper tray media weight	60 - 300 g/m²		

Ports & interfaces		Other features	
Direct printing *	✗	Recommended system requirements	Windows 10, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Internet Explorer.
		PictBridge	✗
		Pallet dimensions (W x D x H) (imperial)	1219.2 x 1016 x 2585 mm (48 x 40 x 101.8")
		Pallet weight (imperial)	473.6 kg (1044 lbs)
		Number of print heads	2
		Manufacturer warranty	Up to 2 years HP Warranty. 24-hour, 7 days a week Web support;



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