



# HP ProBook 640 G5 Intel® Core™ i5 i5-8265U Laptop 35,6 cm (14") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Zilver



**Merk :** HP

**Productfamilie:** ProBook

**Artikelcode:** 6XE24EA

**Productnaam :** 640 G5

- Windows 10 Pro 64-bit
  - Intel Core i5-8265U (6MB Cache, 1.6GHz)
  - 35.6 cm (14") Full HD 1920 x 1080 IPS
  - 8GB (2400MHz) DDR4-SDRAM (1 x 8) & 256GB SSD
- Intel Core i5-8265U (6MB Cache, 1.6GHz), 8GB DDR4-SDRAM, 256GB SSD, 35.6 cm (14") Full HD 1920 x 1080 IPS, Intel UHD Graphics 620, LAN, WLAN, Bluetooth, HP Webcam, Windows 10 Pro 64-bit

HP ProBook 640 G5 Intel® Core™ i5 i5-8265U Laptop 35,6 cm (14") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Zilver:

## Elke dag wordt speciaal

Het moderne en doelgerichte ontwerp van de HP ProBook 640 past perfect bij de prestaties, beveiliging en het beheer van enterprise-klasse en dat alles met flexibele configuratieopties die aansluiten bij de behoeften van een groot scala aan gebruikers.



Design		Netwerk	
Type product *	Laptop	Bluetooth	✓
Kleur van het product *	Zilver	Bluetooth-versie	5.0
Vormfactor *	Clamshell	<b>Poorten &amp; interfaces</b>	
Markt positionering	Bedrijf	Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A *	3
Intel® vPro™ Platform Eligibility	✗	Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type C *	1
Land van herkomst	China	Aantal Ethernet LAN (RJ-45)-poorten	1
<b>Beeldscherm</b>		Aantal HDMI-poorten *	1
Beeldschermdiagonaal *	35,6 cm (14")	HDMI versie	1.4
Resolutie *	1920 x 1080 Pixels	VGA (D-Sub)poort(en)	1
Touchscreen *	✗	Combo koptelefoon/microfoon port	✓
HD type	Full HD	Basisstationaansluiting	✓
Soort paneel	IPS	USB Type-C DisplayPort alternatieve modus	✓
LED backlight	✓	USB Sleep-and-Charge	✓
Oorspronkelijke beeldverhouding	16:9	USB Sleep-and-Charge poorten	1
Antireflectiescherm	✓	<b>Toetsenbord</b>	
Helderheid	250 cd/m <sup>2</sup>	Aanwijsapparaat	Clickpad
Schermdiаметer in centimeters	35,6 cm	Numeriek toetsenblok *	✗
Dubbele scherm	✗	Keyboard met achtergrondverlichting	✓
RGB-kleurruimte	NTSC	Full-size toetsenbord	✓
Kleurbereik	45 procent	Windows-toetsen	✓
<b>Processor</b>		<b>Software</b>	
Processorfabrikant *	Intel	Architectuur besturingssysteem	64-bit
Processorfamilie *	Intel® Core™ i5	Inclusief besturingssysteem *	Windows 10 Pro
Processorgeneratie	Intel® 8de generatie Core™ i5	<b>Processor speciale functies</b>	
Processormodel *	i5-8265U	Intel® My WiFi Technology (Intel® MWT)	✓
Aantal processorkernen	4	Intel® Smart Response Technology	✓
Processor aantal threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
Maximale turbofrequentie van processor	3,9 GHz		
Frequentie van processor *	1,6 GHz		
Systeembus	4 GT/s		
Processor cache	6 MB		
Processor cache type	L3		
Processor socket	BGA 1528		

Processor		Processor speciale functies	
Processor lithografie	14 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes	64-bit	Intel® Turbo Boost Technology	2.0
Codenaam processor	Whiskey Lake	Enhanced Intel SpeedStep Technology	✓
Bus type	OPI	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Thermal Design Power (TDP)	15 W	Intel® Clear Video-technologie	✓
Configureerbare TDP-upfrequentie	1,8 GHz	Intel® Quick Sync Video Technology	✓
Configureerbare TDP-up	25 W	Intel® Flex Memory Access	✓
Configureerbare TDP-down	10 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Configureerbare TDP-downfrequentie	0,8 GHz	Intel® Trusted Execution Technology	✗
Tjunction	100 °C	Intel® Enhanced Halt State	✓
Maximaal aantal PCI Express-lijnen	16	Intel® VT-x with Extended Page Tables (EPT)	✓
PCI Express slots versie	3.0	Intel® Secure Key	✓
PCI Express configuraties	1x4, 2x2	Intel® TSX-NI	✗
ECC ondersteund door processor	✗	Intel® Stable Image Platform Program (SIPP)	✗
<b>Geheugen</b>		Intel® OS Guard	✓
Intern geheugen *	8 GB	Intel® Software Guard Extensions (Intel® SGX)	✓
Intern geheugentype	DDR4-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	✓
Kloksnelheid geheugen	2400 MHz	Intel® 64	✓
Geheugen form factor	SO-DIMM	Execute Disable Bit	✓
Geheugenlayout	1 x 8 GB	Idle States	✓
Geheugenslots	1x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum intern geheugen *	32 GB	Verpakkingsgrootte processor	46x24 mm
ECC	✗	Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
<b>Opslagmedia</b>		CPU configuratie (max)	1
Totale opslagcapaciteit *	256 GB	Ingebouwde opties beschikbaar	✗
Opslagmedia *	SSD	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Totale capaciteit SSD's	256 GB	Versie Intel® Identity Protection Technology	1,00
Aantal geïnstalleerde SSD's	1	Versie Intel® Smart Response Technology	1,00
SSD capaciteit	256 GB	Versie Intel® Stable Image Platform Program (SIPP)	0,00
SSD interfaces	NVMe	Versie Intel® Secure Key Technology	1,00
NVMe	✓	Versie Intel® TSX-NI	0,00
SSD-vormfactor	M.2	Intel® Virtualization Technology (VT-x)	✓
Soort optische drive *	✗	ARK ID processor	149088
Geïntegreerde geheugenkaartlezer	✓	<b>Brand-specifieke functies</b>	
Compatibele geheugenkaarten	MicroSD (TransFlash)	HP-luidsprekertype	HP Dual Speakers
<b>Grafisch</b>		HP Smart AC Adapter	✓
Discreet grafische adapter model *	Niet beschikbaar	HP-voorcamera	HP Webcam
Ingebouwde grafische adapter *	✓	HP-segment	Bedrijf
Aparte grafische adapter *	✗	<b>Accu/Batterij</b>	
Familie ingebouwde grafische adapter	Intel® UHD Graphics	Batterijtechnologie	Lithium-Ion (Li-Ion)
On-board graphics adapter model *	Intel® UHD Graphics	Aantal batterijcellen	3
Basisfrequentie ingebouwde grafische adapter	300 MHz	Batterijcapaciteit *	48 Wh
Graphics on-board -adapter dynamische frequentie (max)	1100 MHz	<b>Energie</b>	
Maximaal geheugen ingebouwde grafische adapter	32 GB	AC-adapter, vermogen	45 W
On-board grafische adapter DirectX-versie	12.0	<b>Beveiliging</b>	
On-board grafische adapter OpenGL versie	4.5	Wachtwoordbeveiliging	✓
On-board grafische adapter ID	0x3EA0		
<b>Audio</b>			
Aantal ingebouwde luidsprekers	2		
Ingebouwde microfoon	✓		
Aantal microfoons	2		
<b>Camera</b>			
Camera voorzijde	✓		

Camera		Duurzaamheid	
Signaalformaat camera voorkant	720p	Duurzaamheidscertificaten	ENERGY STAR
Voorcamera HD-type	HD	<b>Gewicht en omvang</b>	
Netwerk		Breedte	340 mm
Wifi	✓	Diepte	240 mm
Wifi-standaard *	Wi-Fi 6 (802.11ax)	Hoogte	20,9 mm
Wi-Fi-standaarden	Wi-Fi 6 (802.11ax)	Gewicht *	1,73 kg
Soort antenne	2x2	Verpakking	
WLAN-controller-model	Intel Wi-Fi 6 AX200	Breedte verpakking	69 mm
Fabrikant van de WLAN-controller	Intel	Diepte verpakking	483 mm
Ethernet LAN	✓	Hoogte verpakking	305 mm
Ethernet LAN, data-overdrachtsnelheden	10,100,1000 Mbit/s	Logistieke gegevens	
		Code geharmoniseerd systeem (HS) 84713000	
		Overige specificaties	
		Inclusief AC-adapter	✓
		3D	✗



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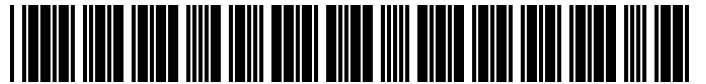
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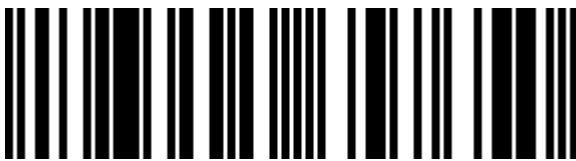
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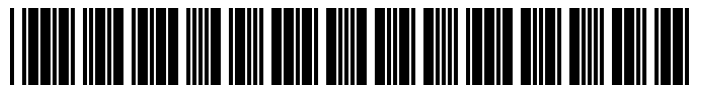
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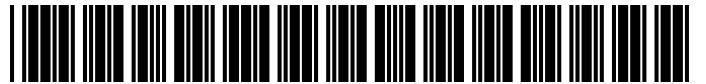
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