



HP EliteBook 640 14 G9 i5-1235U Notebook 35.6 cm (14") Full HD Intel® Core™ i5 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver



Brand : HP

Product family: EliteBook

Product code: 81M83AA

Product name : EliteBook 640 14 G9 i5-1235U Notebook 35.6 cm (14") Full HD Intel® Core™ i5 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

- Intel® Core™ i5-1235U (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)
 - Windows 11 Pro
 - 35.6 cm (14") diagonal FHD display
 - Intel® Iris® X^e Graphics
 - 16 GB memory; 512 GB SSD storage
- EliteBook 640 14 inch G9 Notebook PC Wolf Pro Security Edition, 14", Windows 11 Pro, Intel® Core™ i5, 16GB RAM, 512GB SSD, FHD



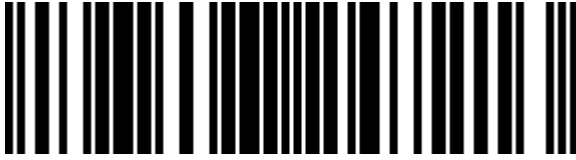
HP EliteBook 640 14 G9 i5-1235U Notebook 35.6 cm (14") Full HD Intel® Core™ i5 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver:

Upgrade to elite performance

The HP EliteBook 640 is a cost-effective, powerful, and secure PC that allows easy standardization, while giving end-users the tools needed work from almost anywhere. Designed around the fundamental needs of enterprise businesses, this PC features the collaboration, power, and security your business needs to stay on top.

Design		Network	
Product type *	Laptop	Ethernet LAN	✓
Product colour *	Silver	Ethernet LAN data rates	10,100,1000 Mbit/s
Form factor *	Clamshell	Bluetooth	✓
Market positioning	Premium	Bluetooth version	5.2
Original brand name	HP	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Display diagonal *	35.6 cm (14")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1080 pixels	HDMI ports quantity *	1
Touchscreen *	✗	HDMI version	2.1
HD type	Full HD	Thunderbolt 4 ports quantity	1
Panel type	IPS	Combo headphone/mic port	✓
Native aspect ratio	16:9	Charging port type	DC-in jack
Anti-glare screen	✓	USB Type-C DisplayPort Alternate Mode	✓
Display bezel technology	Micro-Edge	USB Power Delivery	✓
Display brightness	250 cd/m ²	Keyboard	
Display diagonal (metric)	35.6 cm	Keyboard special features	Spill-resistant
RGB colour space	NTSC	Pointing device	Clickpad
Colour gamut	45%	Numeric keypad *	✗
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor generation	12th gen Intel® Core™ i5	Input device model	HP Premium Keyboard
Processor family *	Intel® Core™ i5	Software	
Processor model *	i5-1235U	Operating system installed *	Windows 11 Pro
Processor frequency *	1.3 GHz	Processor special features	
Processor boost frequency	4.4 GHz	Intel Flex Memory Access	✓
Processor threads	12	Intel Trusted Execution Technology	✓
Processor cores	10		
Processor cache	12 MB		
Processor cache type	L3		

Processor		Processor special features	
Configurable TDP-down	12 W	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Execute Disable Bit	✓
Internal memory *	16 GB	CPU configuration (max)	1
Internal memory type	DDR4-SDRAM	Embedded options available	✗
Memory clock speed	3200 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory layout (slots x size)	2 x 8 GB	Intel Virtualization Technology (VT-x)	✓
Memory slots	2x SO-DIMM	Brand-specific features	
Maximum internal memory *	64 GB	HP Connection Optimizer	✓
Number of free internal memory expansion slots	2	HP Support Assistant	✓
Non-ECC	✓	HP Smart AC Adapter	✓
Storage		HP segment	Business
Total storage capacity *	512 GB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	512 GB	Number of battery cells	3
Number of SSDs installed	1	Battery capacity *	51 Wh
SSD capacity	512 GB	Battery weight	180 g
SSD interface	PCI Express	Power	
NVMe	✓	AC adapter power	65 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Graphics		Security	
Discrete graphics card model *	Not available	Cable lock slot	✓
On-board graphics card *	✓	Fingerprint reader	✓
Discrete graphics card *	✗	Trusted Platform Module (TPM)	✓
On-board graphics card family	Intel Iris Xe Graphics	Trusted Platform Module (TPM) version	2.0
On-board graphics card model *	Intel Iris Xe Graphics	Password protection	✓
Audio		Password protection type	BIOS, Power on, User
Built-in speaker(s)	✓	Sustainability	
Number of built-in speakers	2	Sustainability compliance	✓
Built-in microphone	✓	Sustainability certificates	ENERGY STAR, CCC, GS mark
Number of microphones	2	Weight & dimensions	
Camera		Width	321.9 mm
Front camera	✓	Depth	213.9 mm
Front camera HD type	HD	Height	19.9 mm
Infrared (IR) camera	✓	Weight *	1.37 kg
Privacy camera	✓	Packaging data	
Network		Package width	69 mm
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Package depth	449 mm
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Package height	305 mm
Mobile network connection *	✗	Other features	
Antenna type	2x2	Number of speakers	2
WLAN controller model	Intel Wi-Fi 6E AX211		
WLAN controller manufacturer	Intel		



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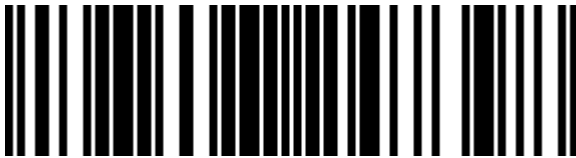
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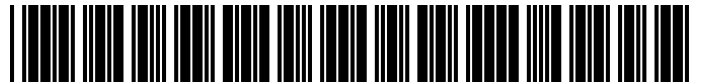
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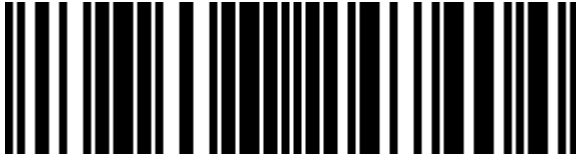
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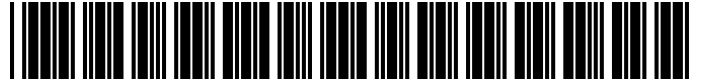
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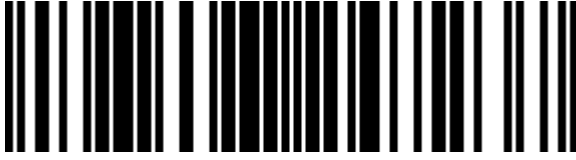
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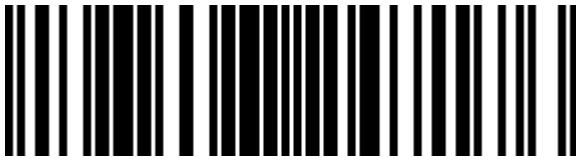
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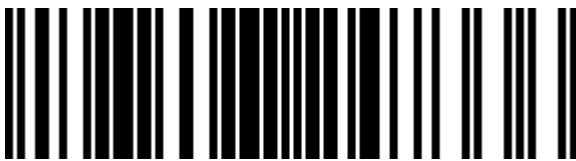
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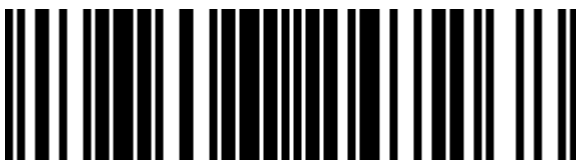
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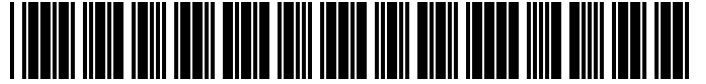
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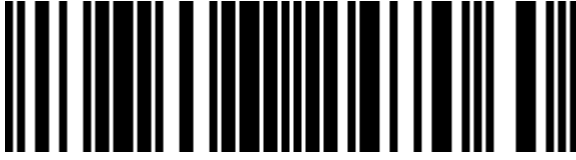
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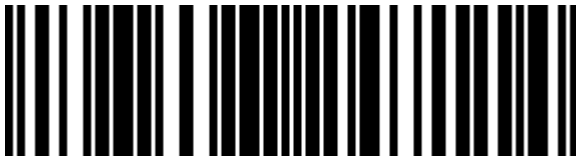
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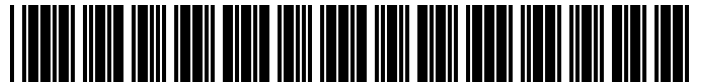
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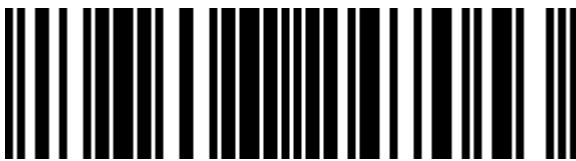
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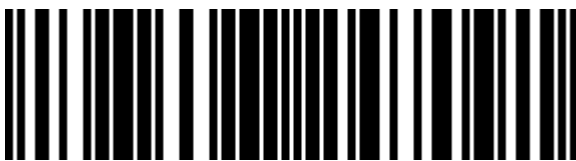
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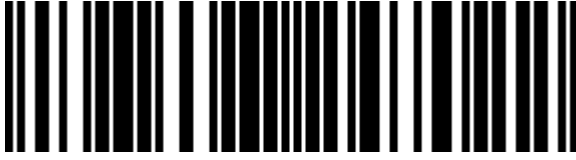
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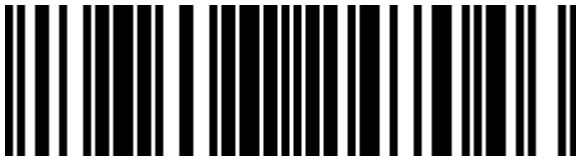
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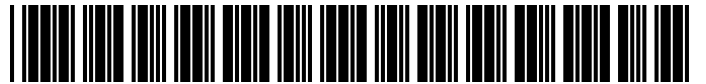
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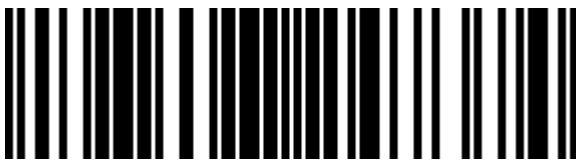
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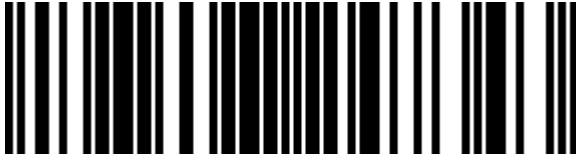
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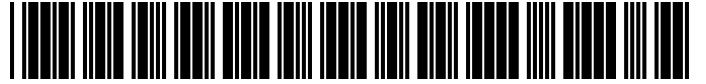
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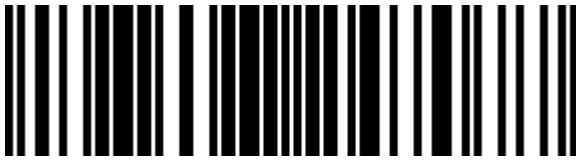
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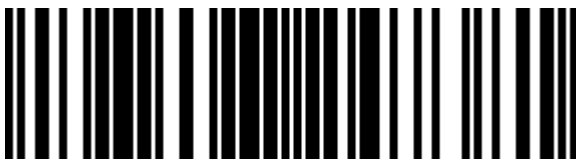
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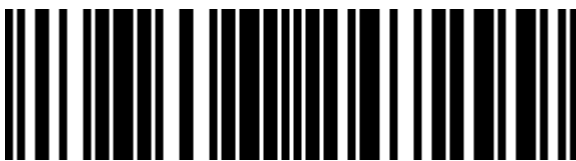
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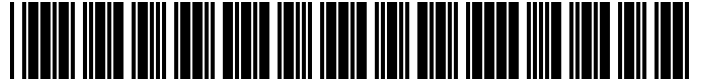
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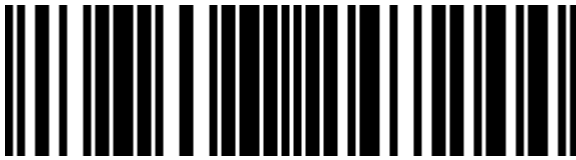
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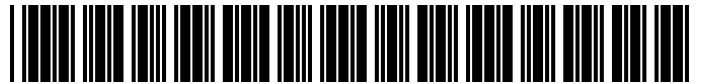
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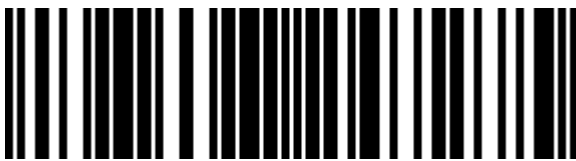
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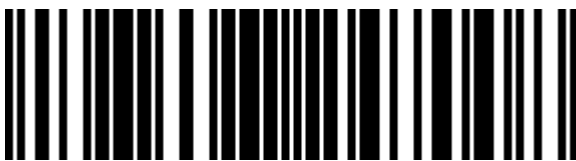
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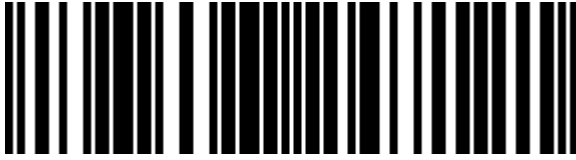
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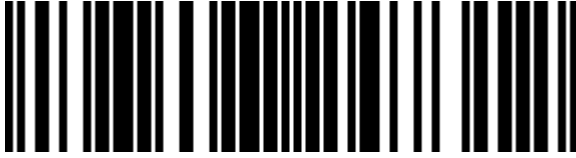
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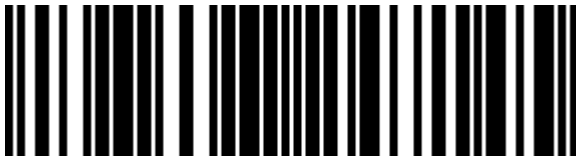
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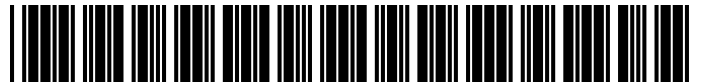
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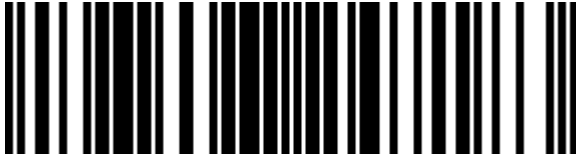
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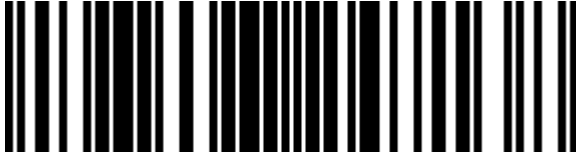
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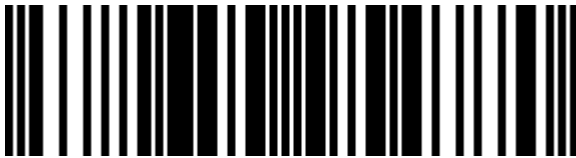
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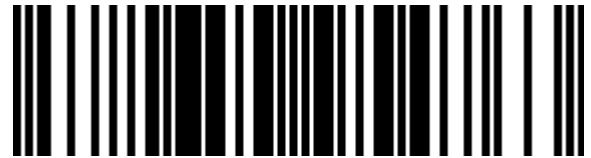
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