![HP logo]

HP ZBook Firefly 16 G9 Intel® Core™ i7 i7-1255U Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA T550 Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP   **Product family:** ZBook Firefly   **Product code:** 6B890EA

Product name : 16 G9

- Intel® Core™ i5-7200U with Intel® HD Graphics 620 (2.5 GHz base frequency, up to 3.1 GHz with Intel® Turbo Boost Technology, 3 MB cache, 2 cores)
- Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)
- 40.6 cm (16") diagonal WUXGA display
- NVIDIA® T550 Laptop GPU (4 GB GDDR6 dedicated)
- 32 GB memory; 1 TB SSD storage
ZBook Firefly 16 inch G9 Mobile Workstation PC, 16", Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade), Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® T550, WUXGA

HP ZBook Firefly 16 G9 Intel® Core™ i7 i7-1255U Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA T550 Wi-Fi 6E (802.11ax) Windows 11 Pro Silver:

Step up performance. Not size.
Pro-level performance combines with true mobility in this amazingly sleek and powerful laptop. Stay productive wherever you're working with integrated or discrete graphics and processor, AI-enhancing webcam and audio, and a stunning display—everything you need to collaborate and manage projects anywhere.

Design

Product type *	Mobile workstation
Product colour *	Silver
Form factor *	Clamshell
Market positioning	Performance

Display

Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✖
HD type	WUXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display bezel technology	Micro-Edge
Display brightness	400 cd/m²
Display diagonal (metric)	40.6 cm
RGB colour space	sRGB
Colour gamut	100%

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-1255U
Processor cores	10
Processor threads	12
Processor boost frequency	4.7 GHz
Processor cache	12 MB
Processor cache type	L3
Configurable TDP-down	12 W

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	4800 MHz

Network

Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
HDMI version	2.0b
Thunderbolt 4 ports quantity	2
Combo headphone/mic port	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	2

Performance

Motherboard chipset	Intel SoC
Repairability index	8.0

Keyboard

Keyboard special features	Resistente a derrames
Pointing device	Clickpad
Numeric keypad *	✔
Keyboard backlit	✔
Spill-resistant keyboard	✔
Full-size keyboard	✔
Input device model	HP Premium stil toetsenbord

Memory

Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 16 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB
Number of free internal memory expansion slots	2
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD memory type	TLC
SSD interface	PCI Express, NVMe
NVMe	✔
Optical drive type *	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA T550
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 620
Number of discrete graphics cards	1

Audio

Audio system	B&O PLAY
Built-in speaker(s)	✔
Number of built-in speakers	2
Speakers manufacturer	Bang & Olufsen
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	5 MP
Front camera HD type	HD
Infrared (IR) camera	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel

Software

Pre-installed software	Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional)
Operating system installed *	Windows 11 Pro

Processor special features

Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Execute Disable Bit	✔
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Brand-specific features

HP Support Assistant	✔
HP Security tools	HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; MS Bitlocker Encryption; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Proactive Security (DaaS); HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter
HP Management tools	HP Power Manager
HP segment	Business
HP GTIN (EAN/UPC)	196548833337

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	3
Battery capacity *	51 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power

AC adapter power	65 W

Security

Cable lock slot	✔
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	BIOS, Power on, User

Sustainability

Sustainability compliance	✔

Sustainability

Sustainability certificates	TCO
Sustainable technologies and materials	Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable

Weight & dimensions

Width	358.7 mm
Depth	250.9 mm
Height	19.9 mm
Weight *	1.8 kg

Packaging data

Package width	552 mm
Package depth	69 mm
Package height	345 mm

Packaging content

Keyboard included	✔

Logistics data

Harmonized System (HS) code	8471300000

Other features

Number of speakers	2

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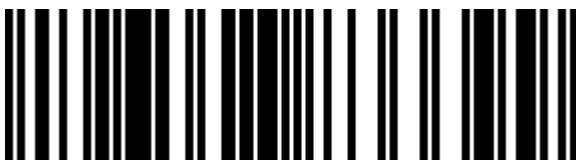0196548833207
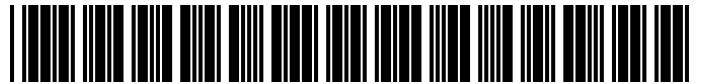
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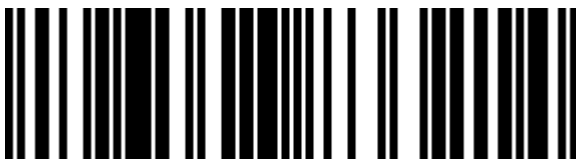
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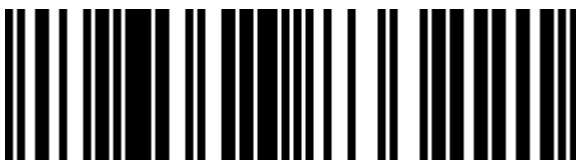
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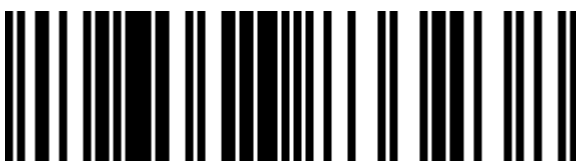
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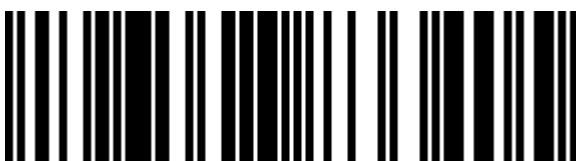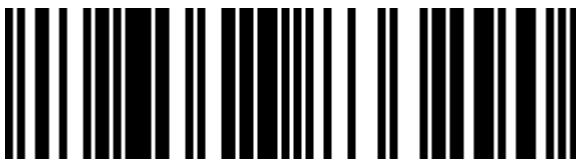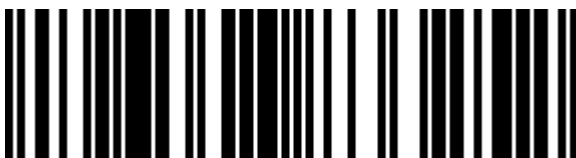0196548833498
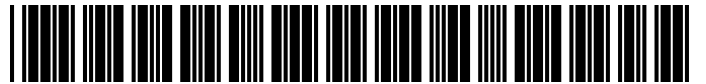
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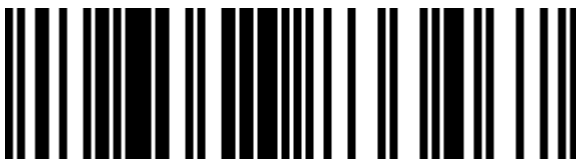
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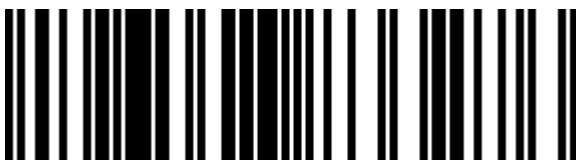
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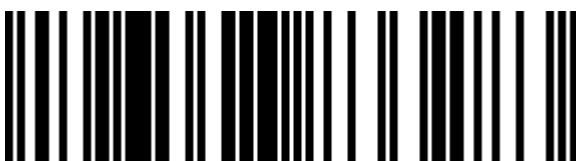
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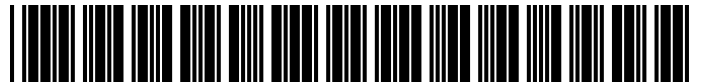
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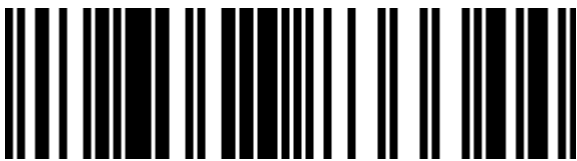
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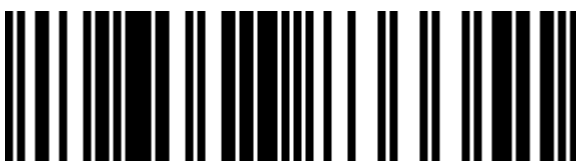
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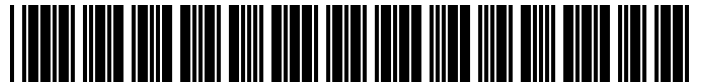
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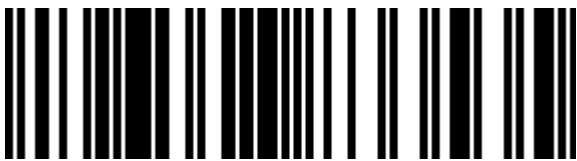
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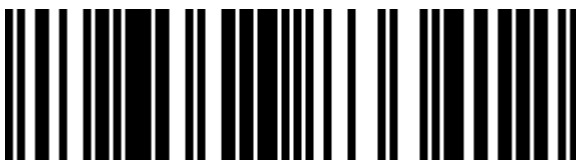
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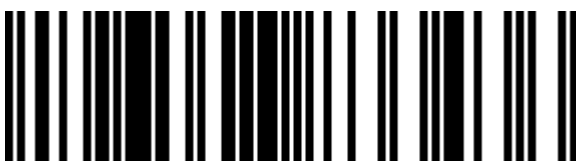
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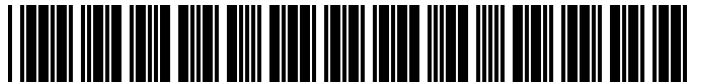
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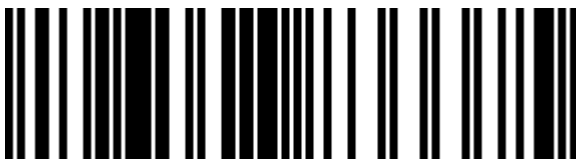
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