HP

HP ZBook Studio 15.6 G8 Intel® Core™ i7 i7-11800H Mobile workstation 39,6 cm (15.6") 4K Ultra HD 32 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 3070 Wi-Fi 6 (802.11ax) Windows 10 Pro Grey

Brand : HP   **Product family:** ZBook Studio   **Product code:** 314G7EA

Product name : 15.6 G8

- Intel® Core™ i7-11800H (up to 4.6 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 8 cores)
- Windows 10 Pro
- 39.6 cm (15.6") diagonal 4K UHD display with HP DreamColor
- NVIDIA® GeForce RTX™ 3070 (8 GB GDDR6 dedicated)
- 32 GB memory; 1 TB SSD storage

ZBook Studio 15.6 G8 Mobile Workstation, 15.6", Windows 10 Pro, Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 3070, 4K UHD

HP ZBook Studio 15.6 G8 Intel® Core™ i7 i7-11800H Mobile workstation 39,6 cm (15.6") 4K Ultra HD 32 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 3070 Wi-Fi 6 (802.11ax) Windows 10 Pro Grey:

Power to free the creative mind
From keyboard to screen, every aspect of our ZBook Studio is designed for performance workflows. Render or visualize in real time, collaborate remotely, and even game from anywhere. With all this power engineered into such a small package, finally, there's one device for everything you do.

Design

Product type *	Mobile workstation
Product colour *	Grey
Form factor *	Clamshell
Market positioning	Performance
Intel® vPro™ Platform Eligibility	✗
Country of origin	China

Display

Display diagonal *	39,6 cm (15.6")
Display resolution *	3840 x 2160 pixels
Touchscreen *	✗
HD type	4K Ultra HD
Panel type	UWVA
Display technology marketing name	UWVA
LED backlight	✔
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	600 cd/m²
Display diagonal (metric)	39,6 cm
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	120 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	11th gen Intel® Core™ i7
Processor model *	i7-11800H
Processor cores	8
Processor threads	16
Processor boost frequency	4,6 GHz
Processor cache	24 MB
Processor cache type	L3

Camera

Front camera	✔
Front camera signal format	720p
Front camera HD type	HD
Infrared (IR) camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX201
WLAN controller manufacturer	Intel
Ethernet LAN	✗
Bluetooth	✔
Bluetooth version	5.0

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.1
Mini DisplayPorts quantity	1
Thunderbolt 4 ports quantity	2
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	2

Performance

Motherboard chipset	Intel WM590

Keyboard

Pointing device	Clickpad
Numeric keypad *	✗

Memory

Internal memory *	32 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory form factor	On-board
Memory layout (slots x size)	1 x 32 GB
Memory slots	1x SO-DIMM
Maximum internal memory *	32 GB
ECC	✘

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
Solid-state drive capacity	1 TB
Solid-state drive interface	PCI Express, NVMe
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics

Audio

Audio system	Bang & Olufsen
Number of built-in speakers	4
Built-in microphone	✔
Number of microphones	2

Keyboard

Keyboard backlit	✔
Keyboard backlit colour	RGB
Full-size keyboard	✔

Software

Operating system architecture	64-bit
Operating system language	Slovak
Operating system installed *	Windows 10 Pro

Brand-specific features

HP speaker type	HP Dual Speakers
HP Connection Optimizer	✔
HP Smart AC Adapter	✔
HP front camera	HP Webcam HD IR
HP segment	Business

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	6
Battery capacity *	83 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power

AC adapter power	200 W
DC-in jack	✔
USB Power Delivery	✔

Security

Cable lock slot	✔
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔

Certificates

Low halogen	✔

Sustainability

Sustainability certificates	Bioland

Weight & dimensions

Width	354 mm
Depth	234,6 mm
Height	17,9 mm
Weight *	1,79 kg

Logistics data

Harmonized System (HS) code	84713000

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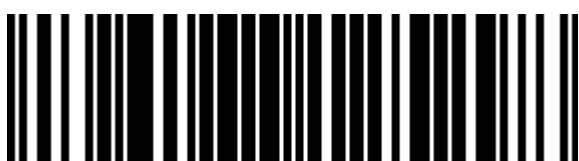0196188125229

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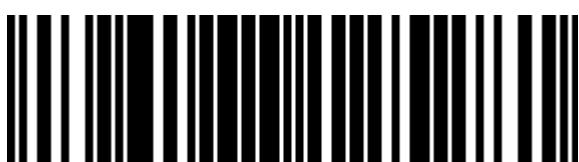
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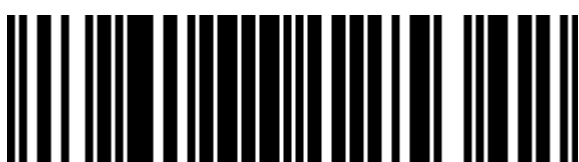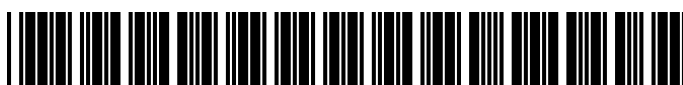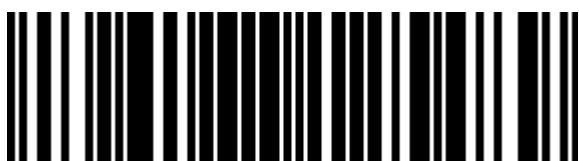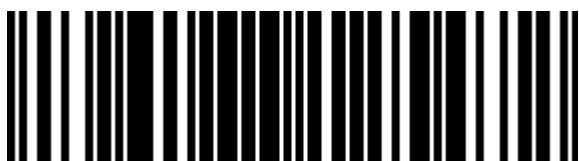
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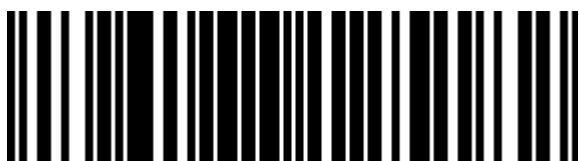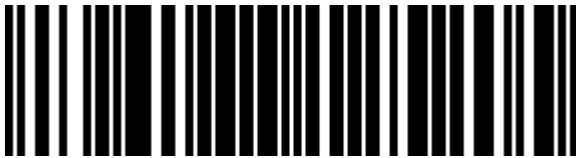
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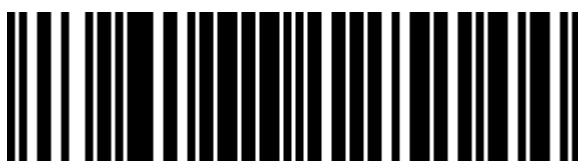
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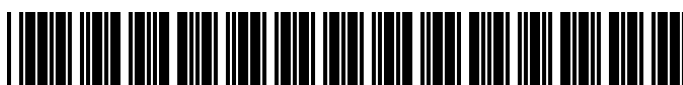
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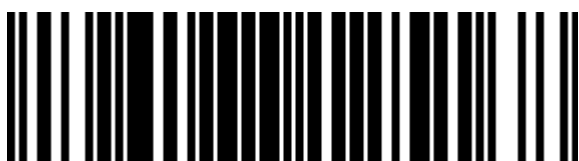
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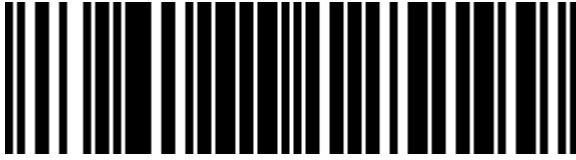
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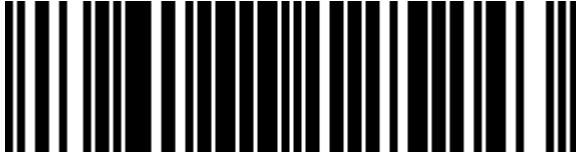
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