



HP ZBook Studio G11 Intel Core Ultra 7 165H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : HP

Product family: ZBook Studio

Product code: B20HTEC#ABA

Product name : ZBook Studio
G11



- Windows 11 Pro
 - Intel Core Ultra 7 165H (24MB Cache)
 - 16" WUXGA 1920 x 1200 IPS, NVIDIA RTX 2000 Ada (8GB GDDR6)
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
- Intel Core Ultra 7 165H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 16" WUXGA 1920 x 1200 IPS, Intel Arc Graphics, NVIDIA RTX 2000 Ada (8GB GDDR6), WLAN, Webcam, Windows 11 Pro

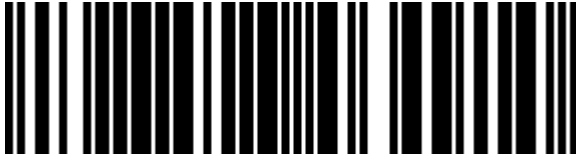
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Powerfully immersive. Perfectly sized

Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real-time or visualize data—from anywhere.

Design		Graphics	
Product type *	Mobile workstation	Discrete graphics memory type	GDDR6
Product colour *	Grey	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Market positioning	Performance	Discrete graphics card *	✓
Introduction year	2024	On-board graphics card family	Intel Arc Graphics
Original brand name	HP	On-board graphics card model *	Intel Arc Graphics
Display		Audio	
Display diagonal *	40.6 cm (16")	Number of built-in speakers	2
Display resolution *	1920 x 1200 pixels	Built-in microphone	✓
Touchscreen *	✗	Number of microphones	2
HD type	WUXGA	Camera	
Panel type	IPS	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1280 x 720 pixels
Display brightness	400 cd/m²	Front camera HD type	HD
Display diagonal (metric)	40.6 cm	Infrared (IR) camera	✓
RGB colour space	sRGB	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor		Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor manufacturer *	Intel	Mobile network connection *	✗
Processor family *	Intel Core Ultra 7	Antenna type	2x2
Processor generation	Intel® Core™ Ultra (Series 1)	WLAN controller model	Intel Wi-Fi 7 BE200
Processor model *	165H	WLAN controller manufacturer	Intel
Processor cores	16	Bluetooth	✓
Processor threads	22	Bluetooth version	5.4
Processor boost frequency	5 GHz	Ports & interfaces	
Performance cores	6	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Low Power Efficient-cores	2	Thunderbolt 4 ports quantity	2
Performance-core Max Turbo Frequency	5 GHz		
Efficient-core Max Turbo Frequency	3.8 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	1.4 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	0.9 GHz	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-core Base Frequency	700 MHz	USB Sleep-and-Charge	✓
Processor cache	24 MB	USB Sleep-and-Charge ports	2
Processor cache type	Smart Cache	Keyboard	
Processor base power	28 W	Pointing device	Clickpad
Maximum turbo power	115 W	Numeric keypad *	✗
Neural processor unit (NPU)		Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Spill-resistant keyboard	✓
Sparsity support	✓	Full-size keyboard	✓
Windows Studio effects support	✓	Input device model	HP Premium Quiet Keyboard
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Software	
Memory		Operating system installed *	Windows 11 Pro
Internal memory *	32 GB	Brand-specific features	
Internal memory type	DDR5-SDRAM	HP segment	Business
Memory clock speed	5600 MHz	Battery	
Memory form factor	SO-DIMM	Battery technology	Lithium Polymer (LiPo)
Memory layout (slots x size)	2 x 16 GB	Number of battery cells	6
Memory slots	2x SO-DIMM	Battery capacity *	86 Wh
Memory channels	Dual-channel	Fast charging	✓
Storage		Fast charging time (50%)	30 min
Total storage capacity *	1 TB	Power	
Storage media *	SSD	AC adapter power	200 W
Total SSDs capacity	1 TB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD memory type	TLC	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express	Security	
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Password protection	✓
Optical drive type *	✗	Password protection type	BIOS, Power on, User
Graphics		Sustainability	
Discrete GPU manufacturer	NVIDIA	Sustainability certificates	TCO
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Weight & dimensions	
Discrete graphics card memory	8 GB	Width	356 mm
		Depth	242 mm
		Height	19 mm
		Weight *	1.73 kg
		Packaging data	
		Package width	552 mm
		Package depth	69 mm
		Package height	345 mm
		Packaging content	
		AC adapter included *	✓



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