



Lenovo Legion 7 16ACHg6 AMD Ryzen™ 7 5800H Laptop 40,6 cm (16") WQXGA 16 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 3080 Wi-Fi 6 (802.11ax) Windows 10 Home German Grey

Brand : Lenovo

Product family: Legion

Article code: 82N6008FGE

Product name : Legion 7 16ACHg6



Lenovo Legion 7 16ACHg6. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 7, Processor model: 5800H, Processor frequency: 3,2 GHz. Display diagonal: 40,6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon Graphics. Operating system installed: Windows 10 Home. Product color: Grey



Design		Camera	
Color name	Storm Grey	Privacy camera	✓
Product type *	Laptop	Privacy type	Privacy shutter
Product color *	Grey	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Housing material	Aluminium	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Market positioning	Gaming	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	40,6 cm (16")	Ethernet LAN	✓
Display resolution *	2560 x 1600 pixels	Ethernet LAN data rates	100,1000 Mbit/s
Touchscreen *	✗	Bluetooth	✓
HD type	WQXGA	Bluetooth version	5.1
Panel type	IPS	Ports & interfaces	
LED backlight	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display brightness	500 cd/m ²	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
RGB color space	sRGB	Ethernet LAN (RJ-45) ports	1
Color gamut	100%	HDMI ports quantity *	1
Maximum refresh rate	165 Hz	HDMI version	2.1
Contrast ratio (typical)	1200:1	Combo headphone/mic port	✓
High Dynamic Range (HDR) technology	Dolby Vision, High Dynamic Range (HDR) 400	USB Type-C DisplayPort Alternate Mode	✓
Processor		USB Sleep-and-Charge	✓
Processor manufacturer *	AMD	USB Sleep-and-Charge ports	1
Processor family *	AMD Ryzen™ 7		
Processor generation	AMD Ryzen 5000 Series		
Processor model *	5800H		
Processor cores	8		
Processor boost frequency	4,4 GHz		

Processor		Performance	
Processor frequency *	3,2 GHz	Motherboard chipset	AMD SoC
Processor cache	16 MB	Keyboard	
Memory		Pointing device	Touchpad
Internal memory *	16 GB	Numeric keypad *	✓
Internal memory type	DDR4-SDRAM	Keyboard backlit	✓
Memory clock speed	3200 MHz	Keyboard language	German
Memory form factor	SO-DIMM	Software	
Memory slots	2x SO-DIMM	Operating system architecture	64-bit
Maximum internal memory *	32 GB	Operating system language	German
Storage		Operating system installed *	Windows 10 Home
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium Polymer (LiPo)
Total SSDs capacity	1 TB	Battery capacity *	80 Wh
Number of SSDs installed	1	Battery life (max)	5,1 h
SSD capacity	1 TB	Fast charging	✓
SSD interface	NVMe, PCI Express	Power	
NVMe	✓	AC adapter power	300 W
SSD form factor	M.2	USB Power Delivery	✓
Optical drive type *	✗	Security	
Card reader integrated	✗	Fingerprint reader	✗
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3080	Trusted Platform Module (TPM) version	2.0
Discrete graphics card memory	16 GB	Password protection	✓
Discrete graphics memory type	GDDR6	Password protection type	HDD, Power on, Supervisor
On-board graphics card *	✓	Operational conditions	
Discrete graphics card *	✓	Operating temperature (T-T)	5 - 35 °C
On-board graphics card model *	AMD Radeon Graphics	Storage temperature (T-T)	5 - 43 °C
Audio		Operating relative humidity (H-H)	8 - 95%
Audio chip	Realtek ALC3306	Storage relative humidity (H-H)	5 - 95%
Number of built-in speakers	2	Certificates	
Speakers manufacturer	Harman Kardon	Certification	ErP Lot 3 TUV Low Blue Light RoHS compliant
Speaker power	2 W	Weight & dimensions	
Built-in microphone	✓	Width	360 mm
Number of microphones	2	Depth	260 mm
Camera		Height (front)	2,01 cm
Front camera	✓	Height (rear)	2,35 cm
Front camera resolution	1280 x 720 pixels	Weight *	2,5 kg
Front camera HD type	HD		

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