

**GIGABYTE AERO 15 XA-7UK2130SH Intel® Core™ i7 i7-9750H  
Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD  
NVIDIA® GeForce RTX™ 2070 Max-Q Wi-Fi 5 (802.11ac) Windows  
10 Home Black**

**Brand :** GIGABYTE

**Product family:** AERO

**Product code:** AERO 15  
XA-7UK2130SH

**Product name :** 15  
XA-7UK2130SH



- Windows 10 Home 64-bit  
- Intel Core i7-9750H (12MB Cache, 2.6GHz)  
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6)  
- 16GB (2666MHz) DDR4-SDRAM & 512GB SSD  
Intel Core i7-9750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6), LAN, WLAN, Bluetooth, Webcam, Windows 10 Home 64-bit  
GIGABYTE AERO 15 XA-7UK2130SH. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-9750H, Processor frequency: 2,6 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black

Design		Network	
Product type *	Laptop	Bluetooth Low Energy (BLE)	✓
Product colour *	Black	<b>Ports &amp; interfaces</b>	
Form factor *	Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display diagonal *	39,6 cm (15.6")	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display resolution *	1920 x 1080 pixels	Ethernet LAN (RJ-45) ports	1
Touchscreen *	✗	HDMI ports quantity *	1
HD type	Full HD	HDMI version	2.0
LED backlight	✓	Thunderbolt 3 ports quantity	1
Native aspect ratio	16:9	Combo headphone/mic port	✓
Dual-screen	✗	USB Type-C DisplayPort Alternate Mode	✓
Processor		Performance	
Processor manufacturer *	Intel	Motherboard chipset	Intel® HM370
Processor family *	Intel® Core™ i7	Keyboard	
Processor generation	9th gen Intel® Core™ i7	Pointing device	Touchpad
Processor model *	i7-9750H	Numeric keypad *	✓
Processor cores	6	Keyboard backlit	✓
Processor threads	12	Keyboard backlit colour	Various
Processor boost frequency	4,5 GHz	Windows keys	✓
Processor frequency *	2,6 GHz	Software	
System bus rate	8 GT/s	Operating system architecture	64-bit
Processor cache	12 MB	Operating system installed *	Windows 10 Home
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Thermal Design Power (TDP)	45 W		

Processor		Processor special features	
Configurable TDP-down	35 W	Intel® My WiFi Technology (Intel® MWT)	✓
Tjunction	100 °C	Intel® Identity Protection Technology (Intel® IPT)	✓
Maximum number of PCI Express lanes	16	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
PCI Express slots version	3.0	Intel® Turbo Boost Technology	2.0
PCI Express configurations	1x16, 2x8, 1x8+2x4	Enhanced Intel SpeedStep Technology	✓
Memory		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Internal memory *	16 GB	Intel Clear Video Technology	✓
Internal memory type	DDR4-SDRAM	Intel® InTru™ 3D Technology	✓
Memory clock speed	2666 MHz	Intel® Quick Sync Video Technology	✓
Memory form factor	SO-DIMM	Intel Flex Memory Access	✓
Memory slots	2x SO-DIMM	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory *	64 GB	Intel Trusted Execution Technology	✗
Storage		Intel VT-x with Extended Page Tables (EPT)	✓
Total storage capacity *	512 GB	Intel® Secure Key	✓
Storage media *	SSD	Intel TSX-NI	✗
Total SSDs capacity	512 GB	Intel Stable Image Platform Program (SIPP)	✗
Number of SSDs installed	1	Intel® OS Guard	✓
Solid-state drive capacity	512 GB	Intel Software Guard Extensions (Intel SGX)	✓
Solid-state drive interface	PCI Express	Intel 64	✓
SSD form factor	M.2	Execute Disable Bit	✓
Optical drive type *	✗	Idle States	✓
Card reader integrated	✓	Thermal Monitoring Technologies	✓
Compatible memory cards	SD	Processor package size	42 x 28 mm
Graphics		Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Discrete graphics card model *	NVIDIA® GeForce RTX™ 2070 Max-Q	CPU configuration (max)	1
Discrete graphics card memory	8 GB	Embedded options available	✗
Discrete graphics memory type	GDDR6	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Processor ARK ID	191045
On-board graphics card model *	Intel® UHD Graphics 630	Battery	
On-board graphics card base frequency	350 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1150 MHz	Battery capacity *	94,24 Wh
Maximum on-board graphics card memory	64 GB	Power	
On-board graphics card DirectX version	12.0	AC adapter power	230 W
On-board graphics card OpenGL version	4.5	DC-in jack	✓
On-board graphics card ID	0x3E9B	Security	
Number of discrete graphics cards installed	1	Cable lock slot	✓
CUDA	✓	Cable lock slot type	Kensington
Audio		Trusted Platform Module (TPM)	✓
Number of built-in speakers	2	Weight & dimensions	
Speaker power	2 W	Width	356,4 mm
Built-in microphone	✓	Depth	250 mm
Camera		Height	18,9 mm
Front camera	✓	Weight *	2 kg
Front camera signal format	720p	Packaging content	
Front camera HD type	HD	AC adapter included *	✓
Network			
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	Wi-Fi 5 (802.11ac)		

Network		Other features	
Antenna type	2x2	DisplayPort version	1.4
WLAN controller model	Killer Wireless-AC 1550	3D	×
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	5.0		



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