

ASUS ROG Strix G18 G814PP-S9018W AMD Ryzen™ 9 7940HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0KY8-M000R0

Product name : G814PP-S9018W

- Windows 11 Home 64-bit
 - AMD Ryzen 9 7940HX (80MB Cache, 2.4GHz)
 - 45.7 cm (18") WQXGA 2560 x 1600 IPS-Level, NVIDIA GeForce RTX 5070 (8GB GDDR7)
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
 AMD Ryzen 9 7940HX (80MB Cache, 2.4GHz), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600 IPS-Level, AMD Radeon 610M, NVIDIA GeForce RTX 5070 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G18 G814PP-S9018W AMD Ryzen™ 9 7940HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey:

Power up your play

Draw more frames and win more games with the brand new Strix G18 and Windows 11 Pro. Powered by up to an AMD Ryzen™ 9 9955HX processor and up to an NVIDIA® GeForce RTX™ 5070 Laptop GPU boasting a max TGP of 115W with Dynamic Boost, be ready to dominate the competition in all of the latest games. With up to 32GB of 5600MHz DDR5 RAM and PCIe Gen 4.0 SSD storage, and the ability to upgrade one slot to a PCIe Gen 5 drive*, large game libraries and intense multitasking sessions are a breeze for this gaming machine.



Design		Network	
Colour name	Eclipse Gray	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Black, Grey	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✓
Introduction year	2025	Ethernet LAN data rates	10,100,1000 Mbit/s
Country of origin	China	Bluetooth	✓
Display		Bluetooth version	5.3
Display diagonal *	45.7 cm (18")	Ports & interfaces	
Display resolution *	2560 x 1600 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Touchscreen *	✗	USB4 Gen 3x2 ports quantity	2
HD type	WQXGA	Ethernet LAN (RJ-45) ports	1
Panel type	IPS-Level	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	500 cd/m²	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	DCI-P3	Keyboard	
Colour gamut	100%	Pointing device	Touchpad
Display response rise/fall	3 ms	Numeric keypad *	✓
Maximum refresh rate	240 Hz	Keyboard backlit	✓
Contrast ratio (typical)	1000:1	Keyboard backlit colour	RGB
Processor		Keyboard backlit zone	4-zone RGB
Processor manufacturer *	AMD	Copilot key	✓
Processor family *	AMD Ryzen™ 9	Software	
Processor generation	AMD Ryzen 7000 Series	Operating system architecture	64-bit
Processor model *	7940HX		
Processor cores	16		
Processor threads	32		

Processor		Software	
Processor boost frequency	5.2 GHz	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Processor frequency *	2.4 GHz		
Processor cache	80 MB		
Processor cache type	L2 & L3	Operating system installed *	
Memory		Bundled software	Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	5600 MHz	Microsoft Copilot	✔
Memory form factor	SO-DIMM		
Memory layout (slots x size)	2 x 16 GB		
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	1 TB	Battery capacity *	90 Wh
Storage media *	SSD	Fast charging	✔
Total SSDs capacity	1 TB	Fast charging time (50%)	30 min
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	280 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✔	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	14 A
Optical drive type *	✘	AC adapter output voltage	20 V
Card reader integrated	✘	DC-in jack	✔
Graphics		USB Type-C charging port *	✔
Discrete GPU manufacturer	NVIDIA	USB Power Delivery (USB PD)	✔
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Security	
Discrete graphics card memory	8 GB	Trusted Platform Module (TPM)	✔
Discrete graphics memory type	GDDR7	Password protection	✔
On-board graphics card *	✔	Password protection type	BIOS, User
On-board GPU manufacturer	AMD	Weight & dimensions	
Discrete graphics card *	✔	Width	399 mm
On-board graphics card family	AMD Radeon	Depth	294 mm
On-board graphics card model *	AMD Radeon 610M	Height (front)	2.31 cm
NVIDIA G-SYNC	✔	Height (rear)	3.08 cm
Audio		Weight *	3 kg
Audio system	Smart Amp	Packaging data	
Number of built-in speakers	2	Package width	510 mm
Built-in microphone	✔	Package depth	95 mm
Camera		Package height	345 mm
Front camera	✔	Package weight	3.67 kg
Front camera HD type	Full HD	Packaging content	
		AC adapter included *	✔
Logistics data			
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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