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

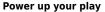
Product name: G814PP-

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





Processor threads

32

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 PCle Gen 5 drive*, large game libraries and intense multitasking sessions are a breeze for this gaming machine.



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

Operating system architecture

64-bit

Processor		Software	
Processor boost frequency Processor frequency * Processor cache	5.2 GHz 2.4 GHz 80 MB	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Processor cache type	L2 & L3	Operating system installed *	Windows 11 Home
Memory			Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer
Internal memory * Internal memory type Memory clock speed Memory form factor	32 GB DDR5-SDRAM 5600 MHz SO-DIMM	Bundled software Microsoft Copilot	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.)
Memory layout (slots x size)	2 x 16 GB	·	•
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	32 GB	Battery technology	Lithium-lon (Li-lon)
Storage media * SS	1 TB SSD 1 TB	Number of battery cells Battery capacity * Fast charging Fast charging time (50%)	4 90 Wh ✓ 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	1
On-board graphics card *	✓	Password protection type	BIOS, User
On-board GPU manufacturer	AMD	Weight & dimensions	-10-2, 0-2-1
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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