

BLACKBOOK® S-PRO 14

WRAITH G10

M474xx | TECHNICAL SPECIFICATION



FOURTEEN EDITIONS

M47403 Quantum	M47408 Delta	M47421 Maverick
M47422 Platinum	M47423 Eclipse	M47432 Dark Shadow
M47433 Interceptor	M47452 Challenger	M47453 Nova
M47462 Vanguard	M47468 DarkStar	M47463 Aurora
M47477 Speedmaster	M47488 Midnight	

A 14-inch professional notebook built around sustained performance in a 1.4 kg all-aluminium chassis. Engineered for serviceability and long useful life.

AT A GLANCE

PROCESSOR	GRAPHICS	DISPLAY	MEMORY
AMD Ryzen AI 9 HX 370	AMD Radeon 890M	14" WQXGA+ 2880 x 1800	DDR5-5600 8 GB to 128 GB
12 cores / 24 threads, up to 5.1 GHz	RDNA 3.5, 16 compute units	120 Hz, 500 nits, 100% sRGB	Dual M.2 NVMe, 500 GB to 8 TB

MODEL IDENTITY

Product name	Venom® BlackBook® S-Pro 14 Wraith G10
Model family	M474xx
Form factor	14-inch professional notebook
Category	S-Pro Series – SpeedBook
Platform	AMD Ryzen AI 300 Series · Zen 5 / Zen 5c
Operating system	Windows 11 Pro
Editions	14 (see Configuration Matrix)

PROCESSOR

Processor	AMD Ryzen™ AI 9 HX 370
Code name	Strix Point · TSMC 4 nm FinFET
Cores / threads	12 cores (4 × Zen 5 + 8 × Zen 5c), 24 threads
Frequency	2.0 GHz base / up to 5.1 GHz max boost
Zen 5c frequency	Up to 3.3 GHz
Cache	12 MB L2 + 24 MB L3
Default TDP	28 W (AMD configurable range 15–54 W)
Neural processing unit	AMD XDNA™ 2 · up to 50 NPU TOPS
Platform AI performance	Up to 80 TOPS combined CPU, GPU and NPU
AI PC classification	Copilot+ PC – meets the 40 TOPS NPU threshold
Memory controller	Dual channel DDR5, up to 256 GB platform maximum
PCIe	PCIe 4.0

Processor ratings are AMD published figures for the part. Sustained frequencies in any notebook depend on the thermal and power envelope of the chassis, workload and ambient conditions.

GRAPHICS

Graphics	AMD Radeon™ 890M
Architecture	AMD RDNA™ 3.5, integrated on package
Compute units	16
Graphics frequency	Up to 2,900 MHz
Graphics memory	Shared with system memory – scales with the memory fitted
API support	DirectX® 12.1 · Vulkan® · OpenCL™
Encode / decode	Hardware AV1 encode and decode · H.265 / HEVC · H.264
External display support	8K at 60 Hz · 4K at 240 Hz · 2K at 480 Hz · FHD at 600 Hz
Multi-display	Dual external 4K displays plus the internal panel
Display outputs	HDMI 2.1 and both USB-C ports carry display signal

Graphics specifications are AMD published data for the Radeon 890M. Achievable external display modes depend on the cable, the connected display and the port used.

MEMORY

Type	DDR5 SO-DIMM
Slots	2 · user accessible
Speed	5600 MHz
Channels	Dual channel
Capacities	8 GB, 16 GB, 32 GB, 64 GB, 96 GB, 128 GB by edition

STORAGE

Drive class	Professional workstation-grade NVMe SSDs
Selection standard	Specified for sustained write performance and endurance under continuous professional workloads, not peak burst figures
Interface	PCIe Gen 4 ×4 NVMe
Slots	2 · M.2 2280 · user accessible
Capacities	500 GB, 1 TB, 2 TB, 4 TB, 8 TB by edition
Sequential read	Up to 7,000 MB/s
Recovery media	External Recovery Drive supplied – full factory restore

DISPLAY

Panel size	14-inch
Aspect ratio	16:10
Resolution	WQXGA+ 2880 × 1800 (5.18 million pixels)
Panel type	IPS
Surface	Venom Vision anti-glare
Refresh rate	120 Hz
Brightness	500 nits
Colour gamut	100% sRGB
Calibration	X-Rite factory colour calibration
Hinge	180° opening

AUDIO

Speakers	2 × 2 W
Processing	Nahimic high-definition audio
Microphones	Dual digital microphone array
Analogue output	3.5 mm headphone / microphone combo jack

EXTERNAL I/O



RIGHT

- 1 × SD / SDHC / SDXC card reader (full size)
- 2 × USB-A 3.2 Gen 1 (5 Gbps)



LEFT

- 1 × 3.5 mm universal audio jack
- 1 × USB-C 3.2 Gen 2, DisplayPort 1.4a, PD 100 W
- 1 × USB-A 2.0
- 1 × Kensington® Nano lock slot



REAR

- 1 × HDMI 2.1
- 1 × USB-C USB4 40 Gbps, DisplayPort 2.1, Power Delivery
- 1 × Gigabit RJ-45 LAN

PORT DETAIL

USB Type-C (rear)	USB4, 40 Gbps · DisplayPort 2.1 · USB Power Delivery · system charging port
USB Type-C (left)	USB 3.2 Gen 2, 10 Gbps · DisplayPort 1.4a · USB Power Delivery 100 W
USB Type-A	2 × USB 3.2 Gen 1, 5 Gbps (right) · 1 × USB 2.0 (left)
HDMI	1 × HDMI 2.1 · HDCP 2.3 · variable refresh rate / FreeSync™
Card reader	1 × full-size SD / SDHC / SDXC reader – a full-size card seats directly, with no dongle or adapter
Networking	1 × Gigabit RJ-45 Base-T
Audio	1 × 3.5 mm universal audio jack, all headset types
Charging	USB-C Power Delivery. The supplied 100 W USB-C adapter charges the machine and powers it at full performance

WIRELESS

Wi-Fi	Wi-Fi 6E, tri-band 2.4 / 5 / 6 GHz, 802.11 a/b/g/n/ac/ax
Spatial streams	2 × 2 MIMO
Channel bandwidth	Up to 160 MHz
Bluetooth	Bluetooth® 5.2

THERMAL DESIGN

Cooling	Dual-fan intelligent cooling with acoustic control
Thermal interface	Phase-change thermal pad
Performance modes	Selectable in Venom Control Center, with fan behaviour and acoustics tuned to each mode
Processor envelope	28 W default TDP, configurable by AMD specification between 15 W and 54 W

POWER

AC adapter	Full-range USB Type-C, 100 W · 20 V, 5 A output
Input range	100–240 V, 50–60 Hz worldwide
Power cable	Region-appropriate mains lead supplied for the destination market
Charging	USB-C Power Delivery – one cable for power and data
Battery	80 Wh smart lithium-polymer, 4-cell 4S1P
Battery life	Up to 10 hours
Battery service	Serviceable battery pack
Air travel	Below the 100 Wh IATA carry-on threshold

CHASSIS

Structure	Aerospace-grade high-abrasion aluminium alloy, CNC machined
Colour	Dark Side of the Moon Grey
Top cover (A)	Aluminium · sandblasted and anodised
Keyboard deck (C)	Aluminium · sandblasted, anodised and diamond cut
Base cover (D)	Aluminium · sandblasted and anodised
Hinge	180° opening – the display lies flat
Dimensions	311 (W) × 220 (D) × 17 (H) mm 12.24 (W) × 8.66 (D) × 0.67 (H) in
Weight	1.4 kg / 3.0 lb (including battery)

KEYBOARD AND TOUCHPAD

Keyboard	Touch-type keyboard · US / International layout
Backlight	White backlight, adjustable brightness
Touchpad	Glass precision touchpad, multi-gesture with palm rejection

CAMERA

Camera	FHD and IR dual-sensor, dual digital microphones
Biometrics	Windows Hello infrared facial recognition
Privacy	Mechanical privacy cover

SECURITY

Platform security	TPM 2.0
Biometric sign-in	Windows Hello infrared facial recognition
Physical security	Kensington® Nano lock slot
Camera privacy	Mechanical privacy cover
Firmware security	UEFI firmware with Secure Boot, supervisor and user passwords, and TPM 2.0 measured boot

SOFTWARE

Operating system	Windows 11 Pro
System software	Venom Control Center
Control Center functions	System monitor · performance modes · fan and acoustic control · keyboard backlight · Wi-Fi, Bluetooth, touchpad, webcam and Fn toggles
AI platform	Copilot+ PC feature set, running on the 50 TOPS XDNA 2 NPU
Bundled software	A deliberately minimal load: Google Chrome and Adobe Reader
Not included	No trialware, no third-party security suites, no bundled utilities

EDITIONS

All fourteen editions share the platform specification in this document. Processor and graphics are common to every edition; memory and storage are the variables.

MODEL	EDITION	PROCESSOR	GRAPHICS	MEMORY	STORAGE
M47403	Quantum	Ryzen AI 9 HX 370	Radeon 890M	8 GB DDR5-5600	500 GB
M47408	Delta	Ryzen AI 9 HX 370	Radeon 890M	16 GB DDR5-5600	1 TB
M47421	Maverick	Ryzen AI 9 HX 370	Radeon 890M	32 GB DDR5-5600	500 GB
M47422	Platinum	Ryzen AI 9 HX 370	Radeon 890M	32 GB DDR5-5600	1 TB
M47423	Eclipse	Ryzen AI 9 HX 370	Radeon 890M	32 GB DDR5-5600	2 TB (1+1)
M47432	Dark Shadow	Ryzen AI 9 HX 370	Radeon 890M	64 GB DDR5-5600	1 TB
M47433	Interceptor	Ryzen AI 9 HX 370	Radeon 890M	64 GB DDR5-5600	2 TB (1+1)
M47452	Challenger	Ryzen AI 9 HX 370	Radeon 890M	96 GB DDR5-5600	1 TB
M47453	Nova	Ryzen AI 9 HX 370	Radeon 890M	96 GB DDR5-5600	2 TB (1+1)
M47462	Vanguard	Ryzen AI 9 HX 370	Radeon 890M	128 GB DDR5-5600	1 TB
M47468	DarkStar	Ryzen AI 9 HX 370	Radeon 890M	96 GB DDR5-5600	4 TB (2+2)
M47463	Aurora	Ryzen AI 9 HX 370	Radeon 890M	128 GB DDR5-5600	2 TB (1+1)
M47477	Speedmaster	Ryzen AI 9 HX 370	Radeon 890M	128 GB DDR5-5600	4 TB (2+2)
M47488	Midnight	Ryzen AI 9 HX 370	Radeon 890M	128 GB DDR5-5600	8 TB (4+4)

OPERATING ENVIRONMENT

Operating temperature	0 °C to 35 °C (32 °F to 95 °F)
Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operating humidity	10% to 90% RH, non-condensing
Storage humidity	5% to 95% RH, non-condensing
Operating altitude	-15.2 m to 3,048 m (-50 ft to 10,000 ft)
Storage altitude	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

The environmental ranges above are the standard operating envelope for a notebook of this class.

COMPLIANCE AND CERTIFICATION

Regulatory	CE · FCC · RCM · UKCA
Safety	IEC 62368-1
Environmental	RoHS · REACH · WEEE
Battery transport	UN 38.3

SERVICE AND SUPPORT

Warranty	3-year pickup-and-return warranty
How it works	The machine is collected from your site by courier and returned after repair, at no cost
Support	Venom Help Desk
Escalation	Help-desk ticket, assigned specialist, written steps, telephone, approved remote access, and where required no-cost courier pickup, repair and return
Recovery	External Recovery Drive supplied in box
Serviceability	User-accessible memory (2 SO-DIMM), storage (2 × M.2 2280) and battery
Trade-in	Eligible BlackBooks up to seven years old may re-enter the Venom Value Cycle
Regional variations	Warranty terms, service delivery and available configurations vary by market. Contact your point of purchase for the terms that apply to you

DOCUMENT CONTROL

Document	VNM-BB-SP14-G10
Revision	Version 1.0
Sources	Venom engineering and build specifications; AMD published component data

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