

Benda iCUE Build V4

Technical specifications | System and processor

Pre-built gaming PC: Ryzen 7 7800X3D, RTX 5070 12 GB OC, 32 GB DDR5, 1 TB NVMe, 360 mm AIO, RM850e Gold, Windows 11.

General

Product	גנימייג תכרעמ Benda iCUE Build V4
English name	Benda iCUE Build V4
Benda SKU	90906-001-04
Category	Pre-built gaming desktop
Operating system	Windows 11, installed and included
Lighting control	CORSAIR iCUE (supported Corsair components)
In the box	System; power cable; warranty documents; Windows 11 ready
System warranty	3 years
Case and fans	1 year
Software warranty	Not included
Configuration note	Benda: photos are illustrative; parts may change with stock.

Processor

Processor	AMD Ryzen 7 7800X3D
Architecture	Zen 4 with AMD 3D V-Cache
Cores / threads	8 cores / 16 threads
Base clock	4.2 GHz
Max. boost clock	Up to 5.0 GHz
L1 / L2 / L3 cache	512 KB / 8 MB / 96 MB (104 MB total)
Default TDP	120 W
Socket	AM5
Memory support	DDR5; 2 channels
PCIe	PCIe 5.0
Integrated graphics	None; discrete GPU required
CPU boost technology	Precision Boost 2
Unlocked	Precision Boost Overdrive and Curve Optimizer

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Technical specifications | Graphics

Graphics

Graphics card (as listed)	PNY GeForce RTX 5070 12GB ARGB EPIC-X RGB OC Triple Fan
GPU	NVIDIA GeForce RTX 5070
Architecture	Blackwell
Card cooler	PNY Triple Fan, ARGB / EPIC-X RGB
CUDA cores	6,144
Tensor cores	5th generation; 988 AI TOPS
Ray-tracing cores	4th generation; 94 TFLOPS
Boost clock	2.51 GHz (NVIDIA reference; PNY OC may exceed this)
Base clock	2.33 GHz (NVIDIA reference)
Memory	12 GB GDDR7
Memory interface	192-bit
Memory bandwidth	672 GB/s
NVIDIA DLSS	DLSS 4: Super Resolution, DLAA, Ray Reconstruction, Frame Generation, Multi Frame Generation
Video encode / decode	1× 9th-generation NVENC; 1× 6th-generation NVDEC; AV1 encode and decode
Bus	PCI Express 5.0
Display outputs	3× DisplayPort 2.1b, 1× HDMI 2.1b (reference connectors)
Max. digital resolution	4K at 480 Hz or 8K at 165 Hz with DSC
Max. GPU temperature	85 °C
Total graphics power	250 W (NVIDIA Total Graphics Power, reference)
NVIDIA system-power guide	650 W (NVIDIA minimum with Ryzen 9 9950X)
Supplementary power	2× PCIe 8-pin, or a 300 W+ PCIe Gen 5 cable

Resolution, connector and TGP combinations are reproduced from NVIDIA's GeForce RTX 50-series specification tables. Clock figures apply to NVIDIA's reference design unless the Benda listing names an OC card.

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Technical specifications | Memory, storage, cooling and case

Memory

Kit	CORSAIR Vengeance RGB DDR5 32 GB (2 × 16 GB)
Speed	6,400 MT/s (PC5-51200)
Timings	CL36-48-48-104 (tested)
Tested voltage	1.35 V
SPD speed / voltage	4,800 MHz / 1.1 V
Profile	AMD EXPO and Intel XMP
Format	288-pin UDIMM; aluminium heat spreaders
Lighting	RGB; iCUE-compatible on supported kits

Storage

Drive	SanDisk Optimus 5100 1 TB
Form factor	M.2 2280
Interface	PCIe 4.0 ×4 NVMe
Sequential read	Up to 7,100 MB/s
Sequential write	Up to 6,700 MB/s
Random write	Up to 1.3 million IOPS
Dimensions	80 × 22 × 2.38 mm
Weight	5.7 g
Drive warranty	5-year limited (SanDisk, drive only)

Cooling

Cooler	CORSAIR NAUTILUS 360 RS ARGB
Radiator	360 mm aluminium; 396 × 120 × 27 mm
Cold plate	Copper
Fans	3 × RS120 ARGB; 120 × 25 mm
Fan speed	0–2,100 RPM ±10%; PWM, zero-RPM mode
Airflow	13.3–72.8 CFM
Static pressure	0.2–4.15 mm-H2O
Noise	10–36 dBA
Tubing	450 mm sleeved low-permeation rubber
Socket support	AMD AM5 / AM4; Intel LGA 1851 / 1700
Controller	Plugs into the motherboard; no extra hub required

Case

Case	CORSAIR 3200D RS ARGB Mid Tower
Dimensions (L × W × H)	458 × 219 × 495 mm
Weight	About 8.5 kg (empty case, manufacturer)
Materials	Steel, tempered glass, plastic
Side panel	Tempered glass
Motherboard support	Mini-ITX, Micro-ATX, ATX
Included fans	3 × RS120 ARGB (front intake)
Front I/O	1× USB 3.2 Gen 2×2 Type-C; 1× USB 2.0 Type-A; combo audio
GPU clearance	375 mm with front fans; 400 mm without
CPU cooler clearance	165 mm
PSU clearance	180 mm ATX
Radiators	Front or top 360/280/240 mm; rear 120 mm
Drive bays	1 × 3.5-inch and 2 × 2.5-inch, or 3 × 2.5-inch
Expansion slots	7 horizontal

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Technical specifications | Board, power, software and notes

Motherboard

Motherboard	ASUS TUF GAMING B850M-E WIFI
Form factor	Micro-ATX; 244 × 244 mm (9.6 × 9.6 in)
Socket / chipset	AM5 / AMD B850
CPU support	AMD Ryzen 9000, 8000 and 7000 series
Memory	4 × DDR5 DIMM; max. 256 GB; EXPO / AEMP; up to 8,000+ MT/s (OC)
Graphics slot	1 × PCIe 5.0 x16 SafeSlot (Ryzen 9000 / 7000)
M.2 slots	3: one PCIe 5.0 x4 2280; two PCIe 4.0 x4
SATA	4 × SATA 6 Gb/s
LAN	Realtek 2.5 Gb Ethernet with TUF LANGuard
Wireless	Wi-Fi 6E 2×2 (2.4 / 5 / 6 GHz); Bluetooth 5.3
Rear USB	2 × 10 Gbps (Type-A + Type-C); 2 × 5 Gbps Type-A; 4 × USB 2.0
Video out (iGPU)	2 × DisplayPort 1.4; 1 × HDMI 2.1
Audio	Realtek 7.1 HD audio; 3 rear jacks
Power stages	8+2+1 (80 A)
RGB headers	3 × Addressable RGB Gen 2

Power supply

Power supply	CORSAIR RM850e
Wattage	850 W continuous
Efficiency	80 PLUS Gold; Cybenetics Gold / A-
Modularity	Fully modular
Form factor	ATX 3.1; 140 × 150 × 86 mm
PCIe	PCIe 5.1; 12V-2x6 (12+4) cable included
+12 V	70.8 A / 850 W
Fan	Zero RPM mode
MTBF	100,000 hours (manufacturer)

Software

Operating system	Windows 11, installed and licensed
Drivers	Installed and configured before shipment (Benda)
Lighting / cooling software	CORSAIR iCUE for supported Corsair parts
iCUE functions	RGB sync, temperature and fan control on compatible hardware

Measurement conditions and usage notes

1. Depth of this sheet is the Benda product page plus official component datasheets. Benda states that images are for illustration and that components may change with stock. If a shipped unit differs, the invoice and the parts inside the case take precedence.

2. GPU clocks, TGP, connector counts and display outputs are NVIDIA reference figures. Add-in cards from PNY can differ. OC cards in V2 and V4 may boost above the NVIDIA reference clocks listed here.
3. NVIDIA “required system power” is measured with a Ryzen 9 9950X. These Benda systems use different CPUs and PSUs; treat that figure as NVIDIA’s published guide, not a measurement of this SKU.
4. iCUE features depend on the Corsair parts actually fitted (fans, AIO, memory). Motherboard RGB may also be controlled from ASUS Armoury Crate / Aura Sync on TUF boards.
5. Warranty text is copied from Benda: 3 years on the system, 1 year on the case and fans, software excluded. Component makers may offer longer coverage on the part itself (for example SanDisk’s 5-year SSD warranty); that does not replace Benda’s system terms.
6. V1 lists the motherboard as “ASUS PRIME B850E-F WIFI GAMING”. That exact ASUS model string was not found on asus.com at the time of compilation, so rear I/O for V1 is not invented here. V2–V4 use ASUS TUF GAMING B850M-E WIFI, whose official spec sheet is summarised on page 4.

Source

Benda Benda iCUE Build V4 product page (<https://www.benda.co.il/product/90906-001-04/>). Accessed 21 September 2026. English compilation of that listing plus official AMD, NVIDIA, Corsair, ASUS and SanDisk specifications. Not a Benda-issued document. Wireless, GPU and cooler figures follow the regional / reference certifications listed by those sources.