Panoramic W-Shaped Glass

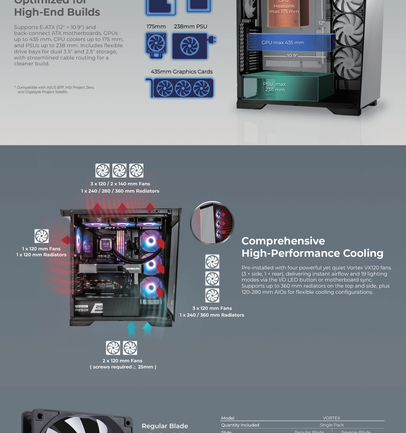
Spacious Interior

Comprehensive Cooling Support

8-Slot Expansion Flexibility

Iconic W-Shaped Contoured Glass

Tempered glass forms InWin's signature W-shaped split, delivering a bold, panoramic showcase.



Optimized for High-End Builds

Supports E-ATX (12" × 10.9") and back-connect ATX motherboards, GPUs up to 435 mm, CPU coolers up to 175 mm, and PSUs up to 238 mm. Includes flexible drive bays for dual 3.5" and 2.5" storage, with streamlined cable routing for a cleaner build.

* Compatible with ASUS BTF, MS Project Zero, and Gigabyte Project Stealth.

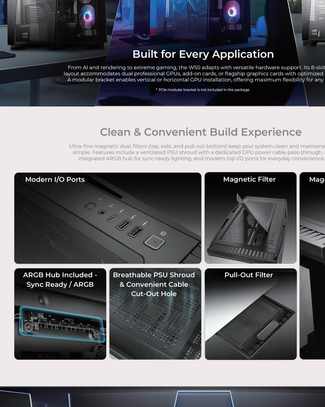
Max HDD x2

Max SSD x2

175mm

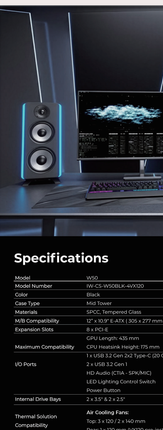
238mm PSU

435mm Graphics Cards



Comprehensive High-Performance Cooling

Pre-installed with four powerful yet quiet Vortex VX120 fans (3 × side, 1 × rear), delivering instant airflow and 19 lighting modes via the I/O LED button or motherboard sync. Supports up to 360 mm radiators on the top and side, plus 120-280 mm AIOs for flexible cooling configurations.

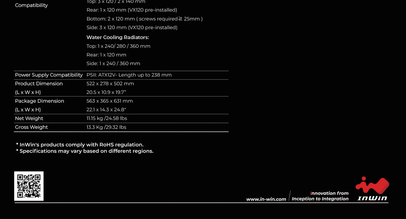


Model	VORTEX	
Quantity Included	Single Pack	
Style	Regular Blade	Reverse Blade
Model Number	1W-FN-VX120-1PK	1W-FN-VX120-RB-1PK
Colors	Black	
Fan Size	120 x 120 x 25 mm	
Materials	PBT, PC	
Rated Voltage	DC 12V	
Rated Power	2.76W	
Rated Current	0.23A	
ARGB Rated Voltage	DC 5V	
ARGB Rated Power	1.45W	
ARGB Rated Current	0.29A	
Speed Mode	PWM 600 ~ 1600 ±10% RPM	
Air Flow	66.71 CFM	62.88 CFM
Air Pressure	1.4 mm / H2O	1.05 mm / H2O
LED	Addressable RGB	
Connector to M/B	4-Pin (5V, PWM), 3-Pin (5V, ARGB)	
Noise Level	31.7 dB(A)	37.2 dB(A)
Bearing Type	Nano Bearing	

* InWin's products comply with RoHS regulations.
* Specifications may vary based on different regions.

The VORTEX fans have two variants, Regular or Reverse blade options for versatile airflow and full ARGB visibility no matter which cooling direction. Intelligent PWM cooling adjusts speed for optimal performance and striking visuals.

* VORTEX fans can be purchased at the InWin eStore or resellers. Please check with your local InWin rep for more information.



Built for Every Application

From AI and rendering to extreme gaming, the W50 adapts with versatile hardware support. Its 8-slot PCIe layout accommodates dual professional GPUs, add-on cards, or flagship graphics cards with optimized airflow. A modular bracket enables vertical or horizontal GPU installation, offering maximum flexibility for any build.

* PCIe module bracket is not included in the package.

Clean & Convenient Build Experience

Ultra-fine magnetic dust filters (top, side, and pull-out bottom) keep your system clean and maintenance simple. Features include a versatile PSU shroud with a dedicated GPU power cable pass-through, an integrated ARGB hub for sync-ready lighting, and modern top I/O ports for everyday convenience.

Specifications

Model	W50
Model Number	1W-CS-W50BLK-4VX120
Color	Black
Case Type	Mid Tower
Materials	SPCC, Tempered Glass
M/B Compatibility	12" x 10.9" E-ATX (305 x 277 mm), ATX, Micro-ATX, Mini-ITX
Expansion Slots	8 x PCI-E
I/O Ports	GPU Length: 435 mm
Maximum Compatibility	CPU Heatsink Height: 175 mm
	1 x USB 3.2 Gen 2x2 Type-C (20 Gbps)
	2 x USB 3.2 Gen 1
	HD Audio (CTIA - 5 Pin/MIC)
	LED Lighting Control Switch
	Power Button
Internal Drive Bays	2 x 3.5" & 2 x 2.5"
Thermal Solution Compatibility	**Air Cooling Fans:** Top: 3 x 120 / 2 x 140 mm Rear: 1 x 120 mm (VX120 pre-installed) Bottom: 2 x 120 mm (screws required/8. 25mm) Side: 3 x 120 mm, (VX120 pre-installed) **Water Cooling Radiators:** Top: 1 x 240/ 280 / 360 mm Rear: 1 x 120 mm Side: 1 x 240 / 360 mm
Power Supply Compatibility	PSII: ATX12V- Length up to 238 mm
Product Dimension	522 x 278 x 502 mm
(L x W x H)	20.5 x 10.9 x 19.7"
Package Dimension	563 x 365 x 631 mm
(L x W x H)	22.1 x 14.3 x 24.8"
Net Weight	11.15 kg /24.58 lbs
Gross Weight	13.3 kg /29.32 lbs

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