SILVERSTONE ®
Designing Inspiration

RAVEN 2

Evolution
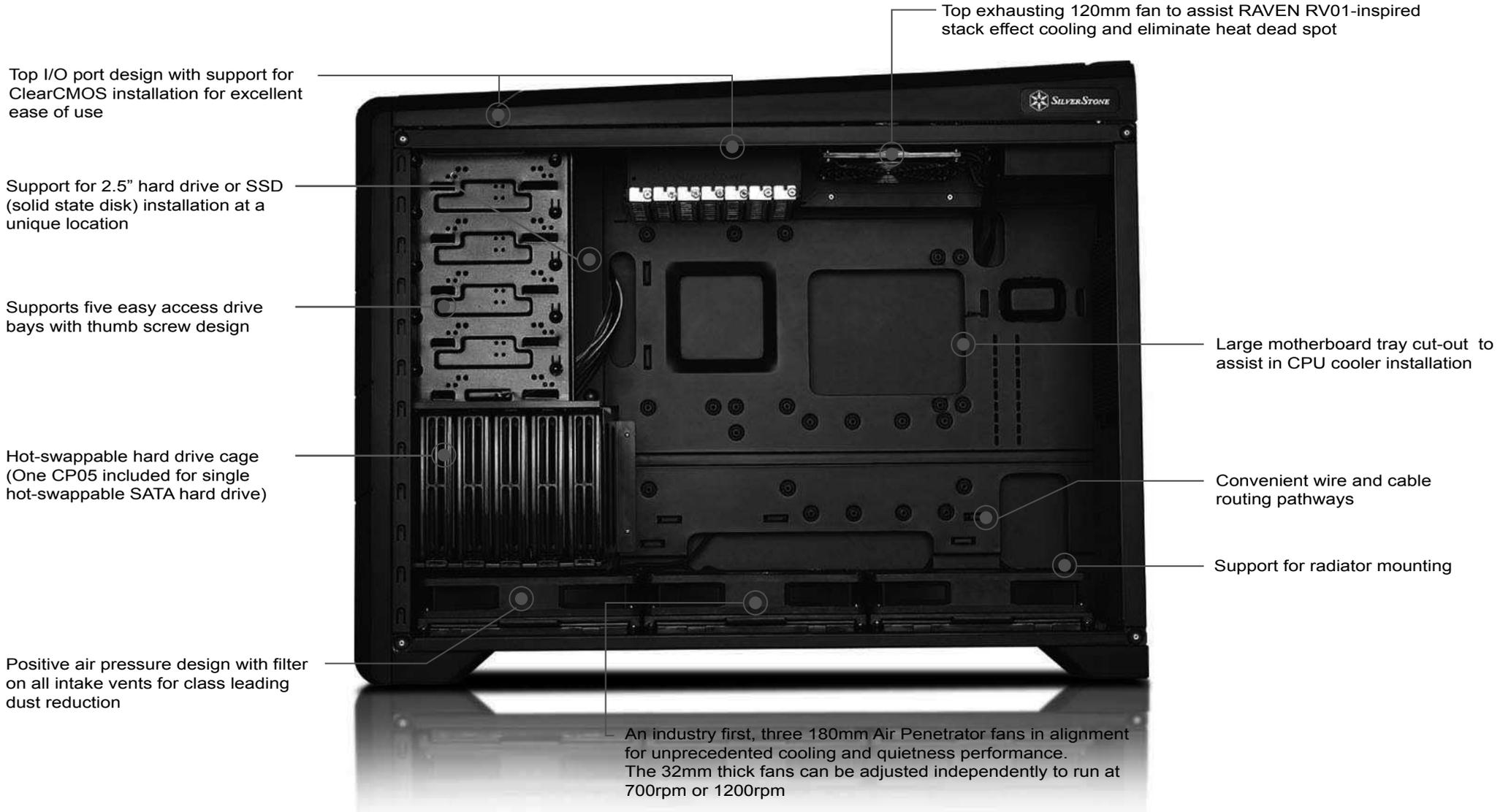
Evolving the benchmark

USB 3.0 Ready!

RV02-E

SPECIAL FEATURES

- Revolutionary 90 degree motherboard mounting from RAVEN RV01
- Three 180mm Air Penetrator fans for unprecedented positive pressure and stack effect cooling
- Supports liquid cooling radiator mounting
- Motherboard back plate opening behind CPU area for quick cooler assembly
- Supports 11" wide ATX motherboard
- Highly flexible drive storage options with hot-swappable SATA adapter

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Special List

Top exhausting 120mm fan to assist RAVEN RV01-inspired stack effect cooling and eliminate heat dead spot

Top I/O port design with support for ClearCMOS installation for excellent ease of use

Support for 2.5" hard drive or SSD (solid state disk) installation at a unique location

Supports five easy access drive bays with thumb screw design

Large motherboard tray cut-out to assist in CPU cooler installation

Hot-swappable hard drive cage (One CP05 included for single hot-swappable SATA hard drive)

Convenient wire and cable routing pathways

Support for radiator mounting

Positive air pressure design with filter on all intake vents for class leading dust reduction

An industry first, three 180mm Air Penetrator fans in alignment for unprecedented cooling and quietness performance.
The 32mm thick fans can be adjusted independently to run at 700rpm or 1200rpm

Model	Material	Motherboard	Drive Bay		Cooling System	
SST-RV02B-E (Black)	SSI CEB, ATX (maximum 12" x 11") ,	reinforced plastic outer shell,	Exposed	5.25" x 5	Bottom	3 x 180mm intake fan 700/1200rpm, 18/34dBA
SST-RV02B-EW (Black + Window)	Micro ATX	0.8mm Steel body	Internal	3.5" x 5 , 2.5" x1	Top	1 x 120mm exhaust fan, 950rpm, 18dBA
SST-RV02B-EW-USB 3.0 (Black + Window + USB 3.0)						

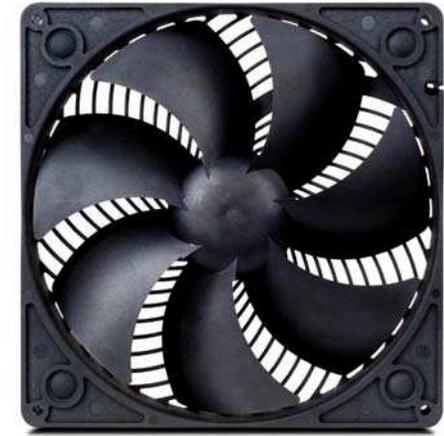| Expansion Slot	Front I/O Port	Power Supply	Expansion Card	Dimension
7	USB 2.0 x 2, Audio x 1, MIC x 1 USB 3.0 x 2, Audio x 1, MIC x 1 (RV02B-EW-USB 3.0)	1 x optional standard PS2 (ATX)	Up to 12.2 inch width restriction-6.85"	212mm (W) x 503mm (H) x 643mm (D), 68.6 liters

Convenient cable routing design

SilverStone has implemented various openings and cable tie down bridges around the motherboard to assist users in routing cables. This design not only enhances the aesthetics of component installation, but also ensures unimpeded airflow in the chassis.

Industry leading air channeling fan

The design goal for Air Penetrator is to focus airflow into a column that can be channeled through various obstacles inside the modern computer case for more efficient cooling performance. Air Penetrator fan's unique blade and grille designs can create enough pressure to push air as far as 1 meter away with minimal fan speed and noise.

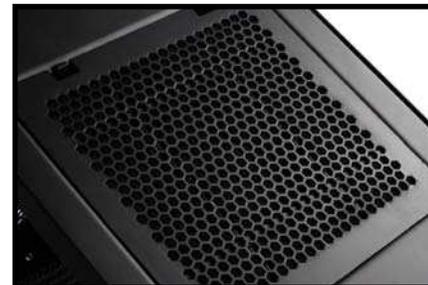## Wide fan blades for increasing air pressure

Stack effect

Making a debut for the first time in a tower chassis, SilverStone's own "Air Penetrator" 180mm fans are included in the RV02-E for improved air intake efficiency and flexibility.

Removable fan filters are easy to clean.

Dedicated power supply fan filter.

Three 180mm fans can be adjusted independently to run at 700rpm or 1200rpm.

Top exhausting 120mm fan assist RV02-E's stack effect cooling.

Removable hard drive trays with hot-swap capability.

Integrated liquid cooling tube holes.

INTRODUCTION

The RAVEN RV02-E is an evolution of the original RV02 case that aims to provide even more accessible performance and utility. Making a debut for the first time in a tower chassis, SilverStone's own "Air Penetrator" 180mm fans are included in the RV02-E for improved air intake efficiency and flexibility. The fan frame of the Air Penetrator fans provide enough fan blade protection and increased air focusing ability that they no longer require installation of fan grille. Hot-swappable hard drive cage was also implemented to facilitate installation at the expense of losing the 8th expansion slot. However, all other features are intact such as fully filtered intake system, 90 degree motherboard mounting, all black interior, liquid cooling support, and fan speed switches. For enthusiasts not looking to use more than two or three graphics cards, the RV02-E should be a great alternative to the fantastic original RV02.

RV02-E can support 12.2" consumer level graphics cards.

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Graphic card length reference:

AMD Radeon HD 5970 – 12.2"

AMD Radeon HD 5870 – 11"

NVIDIA GeForce GTX480 - 10.5"

NVIDIA GeForce GTX295/285/275/260 - 10.5"

NVIDIA GeForce 9800GTX/9800GTX+ - 10.5"

AMD Radeon HD 4870X2 - 10.5 "

NVIDIA GeForce GTX470 - 9.5"

AMD Radeon HD 5850 – 9.5"

Remark

∗ Get a SST-CLEARCMOS add-on to conveniently clear CMOS without opening the case.

∗ Equip your RV02-E with FM181 for the ultimate combination of extreme performance or quietness.

∗ Equip your RV02-E with FN181-BL for added lighting effect in available 180mm fan slots.

SST-CLEARCMOS

SST-FM181

SST-FN181-BL

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