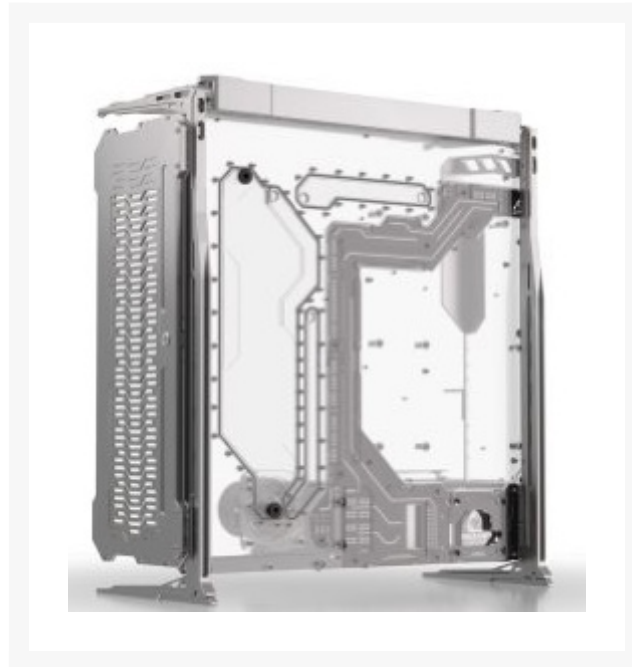




# Singularity Computers Spectre 3.0 Integra - Silver

\$1,599.00

## Product Images



## Short Description

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the water-cooling loop integrated with a completely new distribution plate design, with further enhancements to performance, filling and draining compared to previous Spectre versions. It has a fully integrated solution/replacement for cables with the Singularity Computers PowerBoard. Previously we have created PowerBoards for existing cases, but for Integra we have developed the PowerBoard and case together. This means that both have become far more streamlined, meaning more features and compatibility. The PowerBoard supports the most high-end components with x4 8pin EPS and x6 8pin PCIE.

The case has more support for larger and wider motherboards than previous Spectre 3.0 versions. The PowerBoard has a range of new features, including built in filter capacitors, more integrated LEDs facing inwards and outwards, integrated direct connect SATA, power, and reset buttons, and a touch activated power button. There is now no rear access needed to the distribution plate layer due to the fully integrated PowerBoard, so all cables can be connected from the front and little to no cable management is needed. Black sleeved linking cables are included with the case, so no cables need to be purchased separately. Custom colored sleeved linking cables can be purchased separately if desired. Integra has improved lighting features with integrated PowerBoard LEDs facing inwards towards the motherboard tray and outwards towards the distribution plate. There are two separate sets of LEDs for ARGB or UV, and they can be switched on or off, or from UV to ARGB via two switches on the PowerBoard.

## Features

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### Features

Integrated Liquid Cooling Features:

Reservoir, D5 Pump Top, D5 Pump Cover, Fill Port, Drain Port, parts of the cooling loop.

PowerBoard Integration:

The PowerBoard is a PCB integrating 24pin, PCIE and EPS along with PWM and ARGB Hubs, SATA and Power and Reset Buttons. The Spectre 3.0 Integra PowerBoard also has an integrated touch sensing Power Button. The PowerBoard has x20 ARGB LEDs positioned around the external and internal perimeter to optimally light up the distribution plate. Essentially the PowerBoard is a distribution plate for cables also integrating other features and functions. It is a new method for cables allowing standardization of cable lengths and making cable management no longer necessary. Spectre 3.0 Integra comes included with a standard set of black sleeved linking cables including 24pin x1, 8pin EPS x2, 8pin PCIE x3 meaning that these cables don't have to be purchased separately.

Reduced build time due to integration:

With the pump, reservoir, fill and drain ports, half of the water-cooling loop, the core component cables, PWM and ARGB hubs all integrated there is less assembly to be done. Also, less fittings and tube are needed. No cable management for the core component cables thanks to the PowerBoard integration.

Integration Cost Component:

A large portion of the case cost is due to the integration. These are components you do not have to purchase for your build. The pump top, reservoir, cables, hubs, less fittings, less tube, no cable combs, or cable management components.

Compatibility:

Theoretically the more integration the less compatibility. For Spectre Integras integration each port and connector were positioned based on an average of a vast range of components.

Integration & Optimization:

With the integration we did not just develop a case, we also developed all the integrated components. This meant that we could focus more on optimization than would normally be possible. The integrated loop routes in Spectre allow for more flow than 16mm tubes. The pump top was designed for the D5 pump, maximizing flow to and from the distribution plate. The reservoir was designed to remove air as quickly as possible making the loop

easier to fill. The fill port is at the highest point on the back for the case and the drain point at the lowest point.

High End Components:

Spectre 3.0 Integra fits XL-ATX motherboards and has 8 expansion slots. It is designed for fit the largest high-end GPUs. It can fit the largest PSUs up to 220mm. For the water-cooling system it can fit 2x 360mm radiators 60mm thick with a single set of fans or 2x 360mm radiators 40mm thick with two sets of fans, and the D5 pump. The PowerBoard can handle the most high-end PSUs and components.

Radiator Adjustment:

The radiator mounting panels have a large range of adjustment to help with port alignment to the distribution plate.

Storage:

Spectre 3.0 Integra has 7x 2.5" Drive positions. Two are on the top of the PSU shroud, four inside of the PSU shroud and there is one integrated on the PowerBoard. The two on top of the PSU shroud cannot be used with vertically mounted GPUs.

## Specifications

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Water-cooling Integration:

Reservoir, Pump Top, Pump Cover, Fill Port, Drain Port, Parts of water-cooling loop.

Ports: x6 G1/4" BSPP. 1x Fill Port. 1x Drain Port.

Pump: (Not included): Compatible with all D5 pumps.

Electronics Integration:

Core Component Cables: 24pin x1. PCIE 8pin x 6. 8pin EPS x4 (As many inputs must be used as outputs).

Hubs: PWM: x6. ARGB: x10 (Single input for each).

LEDs: x20 Integrated ARGB 90-degree LEDs and x15 UV 90-degree LEDs facing around the internal and external perimeter of the PowerBoard. There are two switches on the PowerBoard one switches the ARGB on or off and the other switches the UV on or off.

Touch sensing Power Button.

Extra Power and Reset Buttons.

PowerBoard LED on/off switch. (Requires reboot for setting to take effect).

PowerBoard 2.5" SATA 3.0 6Gb/s Direct Mount x1.

Cables: PowerBoard Linking Cables Standard Set: 24pin x1. 8pin EPS x2. 8pin PCIE x3. 18AWG Black Headshrinkless Sleeve. Linking cables and PSU Side Cables available here: ([LINK HERE](#)).

Adaptors for motherboards with 90-degree connectors available here: ([LINK HERE](#)).

PWM Female to Female 50cm Black Sleeved x1.

ARGB Female to Female 50cm Black Sleeved x1.

LED Strips: x2 50cm ARGB LED Strips with 50cm cables. (Attach to case panels on specific mounting points for front and top panel glow).

Motherboard Form Factor: XL-ATX (Up to: 285mm Wide & 343.5mm High).

E-ATX, ATX, Mini-DTX, Mini-ITX.

Expansion Slots: x8.

Case Form Factor: Mid Tower.

Package Dimensions: L: 640mm W: 620mm H: 110mm (Case is flat packed and requires partial assembly).

Package Weight: 17kg.

Case Dimensions: L: 545mm H: 595mm W: 254mm.

Case Weight: 15kg.

Storage: 7x 2.5". x2 are on top of the PSU shroud and cannot be used when the GPUs are vertically mounted. x4 are inside of the PSU Shroud. x1 is on the PowerBoard behind the PSU.

Radiators: 360mm x 60mm with x1 set of standard 25mm fans. Or 360mm x 40mm with x2 sets of standard 25mm fans (Push/Pull).

Maximum GPU Length: 500mm.

Maximum GPU Height: 170mm in standard orientation. Unlimited in vertical orientation.

Maximum CPU Cooler Height: 170mm.

Maximum PSU Length: 220mm (Space allowed for cables inside of PSU shroud).

Front Panel I/O: No Front I/O. Vandal Switch 16mm white LED.

Vertical GPU Mount: x2 with 3 slot (60mm) spacing. x1 is included. 2<sup>nd</sup> Vertical GPU Mount Available Separately ([HERE LINK](#)). Riser cable not included, compatible with Linkup PCIE 4.0 Riser Cables.

Materials: 6061 Aluminum Anodized. Cast Acrylic. Stainless Steel. PCB.

Manufacturing Process: CNC Mill, CNC Lathe, CNC Router, PCB.

Assembly: Distribution Plate Assembled by Hand. Metal Components need to be assembled and attached to the distribution plate by the customer.

Testing/Validation: All Distribution Plates are factory pressure tested and precise fastener tension is applied.

## Included Items:

Spectre 3.0 Integra Case.

Distribution Plate Integrated Components:

Reservoir: x1. Pump Top: x1. Pump Cover: x1. Fill Port: x1. Drain Port: x1.

PowerBoard Integrated Components:

Core Component Cables: 24pin x1. PCIE 8pin x 6. 8pin EPS x4 (As many inputs must be used as outputs).

Hubs: PWM: x6. ARGB: x10 (Single input for each).

LEDs: x20 Integrated ARGB 90-degree LEDs and x15 UV 90-degree LEDs facing around the internal and external perimeter of the PowerBoard. There are two switches on the PowerBoard one switches the ARGB on or off and the other switches the UV on or off.

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PWM Female to Female 50cm Black Sleeved x1.

ARGB Female to Female 50cm Black Sleeved x1.

Case Components:

Distribution Plate: x1

Clear Cast Acrylic Side Panel Window: x1.

Protium 2.0 ARGB D5 Cover: x1.

Case Panel Set: x23 pieces.

Vertical GPU Mount: x1. (Includes Vertical GPU Bracket and Angle Mount.

Accessories:

Hex Keys: M3: x1. M4: x1. M6: x1.

Microfiber Cloth: x1.

Stop Fittings: x2.

5v ARGB LED Strip 50cm: x2.

## Additional Information

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Brand	Singularity Computers
SKU	SC-SPECTRE-3-INTEGRA-SL
Weight	50.0000
Color	Silver
Chassis Form Factor	Mid-Tower
Side Panel	Window
Motherboard Support	ATX, E-ATX, Micro ATX, Mini ITX
Material	Acrylic, Stainless Steel
PSU Wattage	No PSU

