

## Data Sheet and Build Recommendation

### SM550 | 9.7L Mini-ITX PC Case for full length GPUs



- + Supports Mini-ITX motherboards
- + Front panel with USB 3.1 Type C (SS+ 10 Gbit/s), USB 3.0 Type A, and Dual Audio Jacks
- + Supports dual slot GPUs up to 305mm long x 155mm tall
- + Compatible with air coolers up to 55mm tall, or some larger coolers with fan removed
- + Support SFX and SFX-L form factor power supplies
- + Mounts two 120mm x 25mm thick fans in bottom for high performance cooling
- + Magnetic dust filters available from [Demcifilter](#)
- + Designed and manufactured in the USA by [Sliger](#)



Technical Specifications	
<b>Motherboard</b>	Mini-ITX (170 x 170mm)
<b>CPU Air Coolers</b>	Maximum of 55mm tall CPU coolers Coolers that require a Vented Side Panel on the CPU side ID-COOLING IS-60 (55mm) AMD Wraith Stealth (54mm) Cooltek LP53 (53mm) Coolers compatible with all side panel types (Unvented, Window, or Vented) Alpenföhn® Black Ridge (47mm) Noctua L9i/L9a Intel Boxed Cooler Cryorig C7 CU Cryorig C7 Cooltek ITX30 Phanteks PH-TC90LS RAIJINTEK Zelos

	<p>Silverstone AR05 Silverstone AR11</p> <p>SEMI-PASSIVE MODE: these heatsinks require Unvented or Window panels, and two high static pressure fans be quiet! SHADOW ROCK LP (FAN REMOVED) Phanteks PH-TC12LS (FAN REMOVED) Noctua NH-L9x65 (FAN REMOVED) REEVEN BRONTES RC-1001b (FAN REMOVED) Scythe SCSK-1100 Shuriken Rev. B (FAN REMOVED) SCYTHE Big Shuriken 3 CPU Cooler SCBSK-3000 (FAN REMOVED) Thermalright AXP-100H Muscle (FAN REMOVED) Thermalright AXP-100 Copper (FAN REMOVED) Cooltek CR-701 (FAN REMOVED)</p>
<b>AIO Liquid Cooler</b>	<p>92mm Asetek 645LT Requires 92mm AIO adapter plate</p>
<b>Fan Mounting</b>	<p>2x 120mm fans in bottom plenum Fans can be a maximum of 25mm thick Recommended bottom intake and top exhaust For any (FAN REMOVED) heat sinks listed above both fans must be populated with high static pressure fans.</p>
<b>PCIe Cards</b>	<p>Supports two (2) slot wide cards with room between side panel and card for airflow Card is mounted behind motherboard on a PCIe 3.0 16x Flexible Ribbon Riser with Standard Inlet Maximum card height: 133mm (157mm for power connectors) Maximum card length: 305mm Maximum card width: 50mm with Pigtail Inlet (recommended for MSI and ZOTAC cards) Maximum card height: 157mm Maximum card length: 305mm Maximum card width: 50mm We recommend to measure components yourself to avoid incompatibility caused by manufacturers discrepancies in dimensions</p>
<b>Storage</b>	<p>(2x) 2.5" SSD/HDD mounting points behind front panel Optional (4x) 2.5" SSD/HDD mounting bracket [replaces 1x 120mm bottom fan] Maximum two brackets for total of 8x 2.5" SSD/HDDs Optional (1x) 3.5" HDD mount bracket [replaces 1x 120mm bottom fan] Maximum two brackets for (2x) 3.5" HDD in bottom of case</p>
<b>Front connection</b>	<p>One USB 3.1 Gen 2 Type C to USB E header (SS+ 10 Gbit/s) One USB 3.0 Type A to 20-Pin Motherboard Header Two Audio Jacks to standard 9-Pin HD AUDIO header</p>
<b>Security</b>	<p>1x Kensington Lock Cutout</p>
<b>Power Supply</b>	<p>SFX Corsair SF series SilverStone SST-SX series EVGA SuperNOVA GM series FSP Dagger series SFX-L is supported; however, it is a very tight fit and not recommended. Sliger recommends a fan guard grill or custom cables if you do go with SFX-L. It is recommended to mount your PSU with the fan intake facing the</p>

	GPU for best thermals.
<b>Material</b>	Chassis: Galvanized Steel Side Panels: Aluminum Sheet Feet: Black SBR
<b>Finish</b>	Powder coated coating
<b>Outside Dimensions</b>	335mm x 139mm x 208mm (LxWxH)
<b>Weight</b>	3.60 kg (Base configuration)
<b>Rev. Control</b>	<b>SM550-A (3/1/19 - 12/1/19)</b> Initial Release <b>SM550-B (12/1/19 - X/X/XX)</b> Added cutout behind the front panel for larger GPU cards

Info	
Manufacturer	Importer

**SLIGER**

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Sliger Designs Inc. and Density Labs s.r.o. declare that this equipment is in compliance with Low Voltage Directive 2014/34/EU according to the standard EN 62368-1:2014. Copy of the original declaration may be obtained at [info@density.sk](mailto:info@density.sk).

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