Data Sheet and Build Recommendation
SM580 | 15.9L Mini-ITX PC Case for 280mm AIOs and 3-slot 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
+ Upper plenum for mounting one 280mm AIO liquid cooler or two 140mm/120mm liquid coolers
+ Supports three slot GPUs up to 328mm long x 157mm tall
+ Support SFX and SFX-L form factor power supplies
+ Optional brackets for up to 5x 3.5" HDDs and/or bottom 120mm radiator
+ Mounts two 140mm fans in bottom for high performance cooling
+ Magnetic dust filters available from Demcifilter
+ Designed and manufactured in the USA by Sliger

Technical Specifications	
Motherboard	Mini-ITX (170 x 170mm)

CPU Air Coolers	Maximum of 55mm tall CPU coolers
	Coolers that require a Vented Side Panel on the CPU side
	    ID-COOLING IS-60 (55mm) – CLIP version without fan screws only
	    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
	    Silverstone AR05
	    Silverstone AR11
	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)

AIO Liquid Cooler	1x 280mm AIO
	    Maximum 328mm x 150mm x 72mm (LxWxH -- 72mm height includes fan and radiator thickness)
	    RECOMMENDED: NZXT Kraken X62 or X61, ThermalTake Floe Ring 280, CoolerMaser Nepton 280L
	    DIFFICULT: Corsair Hydro H115i, EVGA CLC 280mm
	    INCOMPATIBLE: Corsair H115i and CoolerMaster Liquid Pro 280
	1x 240mm AIO
	2x 120mm AIO
	1x 120mm + 1x 140mm AIOs (ex: 1x GPU, 1x CPU)
	1x 120mm or 1x 140mm AIO with 1x of the optional 2x 3.5" HDD brackets.
	Bottom Fan Plenum
	    1x 120mm radiator less than 27mm thick with 15mm thick fan
	    Prefilled AIO are not recommended here, recommended for custom loops only.
	Maximum of 55mm tall CPU pump blocks

Fan Mounting	2x 140mm fans in bottom plenum Fans can be a maximum of 25mm thick 2x 140mm fans on top, either mounted on radiator(s) or without radiator(s). For any (FAN REMOVED) heat sinks listed above both fans must be populated with high static pressure fans.

PCIe Cards	Supports three (3) 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: 328mm
	    Maximum card width: 67mm
	with Pigtail Inlet
	    Maximum card height: 157mm
	    Maximum card length: 328mm
	    Maximum card width: 67mm
	We recommend to measure components yourself to avoid incompatibility caused by manufacturers discrepancies in dimensions

Storage	(2x) 2.5" SSD/HDD mounting points behind front panel
	Optional (4x) 2.5" SSD/HDD mounting bracket [replaces 1x 140mm bottom fan]
	    Maximum two brackets for total of 8x 2.5" SSD/HDDs
	Optional (1x) 3.5" HDD mount bracket [replaces 1x 140mm bottom fan]
	    Maximum two brackets for (2x) 3.5" HDD in bottom of case
	Optional (2x) 3.5" HDD mount bracket (top of case)
	    Maximum two brackets for total of 4x 3.5" HDDs in top of case
	    Total maximum of (6x) 3.5" HDDs

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Front connection	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
Security	1x Kensington Lock Cutout

Power Supply	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.

Material	Chassis: Galvanized Steel Side Panels: Aluminum Sheet Feet: Black SBR
Finish	Powder coated coating
Outside Dimensions	357mm x 155mm x 287mm (LxWxH)
Weight	4.70 kg (Base configuration)
Rev. Control	**SM580-A (7/8/19 - 12/31/19)** Initial Release **SM580-B (1/1/20 - X/X/XX)** Removed rear obround vent pattern due to zero reported use cases. Removed 1-inch holes and plastic caps from rear of case.

Info	
Manufacturer	**Importer**

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Sliger Designs Inc. and Density Labs s.r.o. declares 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.