SilverStone Sugo SST-SG07B SFF Case w/ 80+ Bronze 600W PSU - Mini-DTX/ITX M/B (USB3.0 v)

Special Price
$172.65 was
$183.95

Product Images

Short Description

Product Details:

The Sugo SG07, with a size that slots in between the venerable SG01 Micro-ATX SFF case from 2005 and the SG05, a powerful Mini-ITX case released in 2009, was designed to take the Mini-ITX platform to a whole new level. It is twice as powerful as the SG05 but only 37% bigger. Its custom 600W power supply, which is rated up to 50°Cwith 80 PLUS Bronze level efficiency and single +12V rail, was carefully chosen and optimized for SG07. Exhaustive testing was conducted to create unique VGA fan duct and exhaust vents that enable SG07 to not only accommodate the longest consumer graphics cards physically (up to 12.2 inches/310mm) but also capable of supporting graphics thermal profile of up to 400W through overclocking. For the CPU and motherboard area, a record-breaking use of 180mm fan (bigger than the Mini-ITX motherboard!) with vortex generating design was utilized to provide possibility of fanless CPU cooling of up to 95W (via CPU cooler such as SilverStone's NT06-E). But despite having tremendous amount of cooling performance, the SG07 is easy to maintain as well. It employs positive pressure layout with all intake areas fitted with removable filters so dust will not accumulate inside. If the goal is to make the ultimate Mini-ITX system, the SG07 is hard to beat.

Features:

- Class leading SFF chassis with 180mm fan and positive pressure cooling
- Ample space for CPU cooling (117mm in height)
- Elevated standoff for motherboard back side components
- Support for two 2.5`` SSD/hard drives and one 3.5`` hard drive
- Includes 80 PLUS Bronze certified 600W@50°C PSU with single +12V rail
- Adjustable VGA fan duct for improved cooling efficiency
- Removable fan filters included for case fan, PSU, and VGA duct
- Support graphics cards up to 12.2 inches and 400W

Video Card Compatibility:

- AMD Radeon HD 5970 – 12.2"
- AMD Radeon HD 6990 – 12"
- AMD Radeon HD 6970 – 11"
- AMD Radeon HD 6950 – 11"
- NVIDIA GeForce GTX690 – 11"
- AMD Radeon HD 6870 – 10.5"
- NVIDIA GeForce GTX580 – 10.5"
- NVIDIA GeForce GTX680 – 10"
- NVIDIA GeForce GTX670 – 9.5"

- AMD Radeon HD 6850 – 9"
- AMD Radeon HD 5870 – 11"
- NVIDIA GeForce GTX480 – 10.5" (how to install GTX 480?)
- AMD Radeon HD 5850 – 9.5"
- NVIDIA GeForce GTX470 – 9.5"

Specifications:

Model No.	SST-SG07B(black)	
	SST-SG07B-W(black+window)	
	SST-SG07B-USB3.0(black)	
	SST-SG07B-W-USB3.0(black+window)	
Material	Plastic front panel with aluminum plate, SECC body	
Motherboard	Mini-DTX, Mini-ITX	
Multimedia	--	
Drive Bay	External	Slim optical x 1
		--
	Internal	3.5" x 1 , 2.5"x 2
Cooling System	Front	--
	Rear	--
	Side	VGA fan duct with oversized vents
	Top	180mm Air Penetrator 700/1200rpm, 18/34dBA
	Bottom	PSU intake vents and VGA exhaust divider
	Internal	--
Expansion Slot	2	
Front I/O Port	USB3.0 x 2 Audio x 1 MIC x 1	
Power Supply	Custom 600W with 80 PLUS Bronze certification and single +12V rail	
Operating system support	--	
Expansion Card	Support expansion cards up to 12.2 inches	
Limitation of CPU cooler	117mm	
Limitation of PSU	140mm (remove VGA Card if you want install up to 170mm)	
Net Weight	4.90 kg	
Dimension	222 mm (w) x 190 mm (h) x 350 mm (d)	

Extra	--

Power supply type	SST-ST60F-SG

Max. DC Output	600W

Load Range									
	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+5VSB	-12V	-5V
Max.(Amps)	25A	25A	46A	/	/	/	3.0A	0.8A	/
Min.(Amps)	0.8A	0.5A	4A	/	/	/	0.1A	0A	/
Range (%)	+/-5%	+/-5%	+/-5%	/	/	/	+/-5%	+/-10%	/
Ripple(mV p-p)	50mV	50mV	120mV	/	/	/	50mV	120mV	/

combined +3.3, +5V	140W

combined +12V	46A / 552W

Input Voltage	90V ~ 265V(Auto Range)

Input Frequency Range	47Hz ~ 63Hz

PFC	Active PFC (PF>0.95 at full load)

Efficiency	82%~85% at 20%~100% loading

MTBF	100,000 hours at 25°C, full load

Operating temperature	0 ~ 50°C

Protection	Over Current Protection Over power Protection Over Voltage Protection Under Voltage Protection Short Circuit Protection

Connectors	1 x 24 / 20-Pin Motherboard connector （670mm） 1 x 8 / 4-Pin EPS / ATX 12V connector （670mm） 1 x 8/6-Pin PCIE connector （360mm） 1 x 8/6-Pin PCIE connector （380mm） 3 x SATA connector （350mm + 130mm + 150mm） 2 x 4-Pin Peripheral connector （350mm + 100mm）

Color	Black （Lead-Free Paint）

Cooling System	Single 120mm fan

Noise Level	19 dBA - 30dBA

Dimension	150 mm (W) x 86 mm (H) x 140 mm (D)

Weight	940g

Form factor	ATX PS/2
Certification	80 PLUS Bronze
Other	GPU Support list

Description

Product Details:

The Sugo SG07, with a size that slots in between the venerable SG01 Micro-ATX SFF case from 2005 and the SG05, a powerful Mini-ITX case released in 2009, was designed to take the Mini-ITX platform to a whole new level. It is twice as powerful as the SG05 but only 37% bigger. Its custom 600W power supply, which is rated up to 50°Cwith 80 PLUS Bronze level efficiency and single +12V rail, was carefully chosen and optimized for SG07. Exhaustive testing was conducted to create unique VGA fan duct and exhaust vents that enable SG07 to not only accommodate the longest consumer graphics cards physically (up to 12.2 inches/310mm) but also capable of supporting graphics thermal profile of up to 400W through overclocking. For the CPU and motherboard area, a record-breaking use of 180mm fan (bigger than the Mini-ITX motherboard!) with vortex generating design was utilized to provide possibility of fanless CPU cooling of up to 95W (via CPU cooler such as SilverStone's NT06-E). But despite having tremendous amount of cooling performance, the SG07 is easy to maintain as well. It employs positive pressure layout with all intake areas fitted with removable filters so dust will not accumulate inside. If the goal is to make the ultimate Mini-ITX system, the SG07 is hard to beat.

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- Removable fan filters included for case fan, PSU, and VGA duct
- Support graphics cards up to 12.2 inches and 400W

Video Card Compatibility:

- AMD Radeon HD 5970 – 12.2"
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- NVIDIA GeForce GTX670 – 9.5"
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		SST-SG07B-USB3.0(black)		
		SST-SG07B-W-USB3.0(black+window)		
Material		Plastic front panel with aluminum plate, SECC body		
Motherboard		Mini-DTX, Mini-ITX		
Multimedia		--		
Drive Bay	External	Slim optical x 1		
		--		
	Internal	3.5`` x 1 , 2.5``x 2		
Cooling System	Front			--
	Rear	--		
	Side	VGA fan duct with oversized vents		
	Top	180mm Air Penetrator 700/1200rpm, 18/34dBA		
	Bottom	PSU intake vents and VGA exhaust divider		
	Internal	--		
Expansion Slot		2		
Front I/O Port		USB3.0 x 2 Audio x 1 MIC x 1		
Power Supply		Custom 600W with 80 PLUS Bronze certification and single +12V rail		
Operating system support		--		
Expansion Card		Support expansion cards up to 12.2 inches		
Limitation of CPU cooler		117mm		
Limitation of PSU		140mm (remove VGA Card if you want install up to 170mm)		
Net Weight		4.90 kg		
Dimension		222 mm (w) x 190 mm (h) x 350 mm (d)		
Extra		--		

Power supply type	SST-ST60F-SG
Max. DC Output	600W
Load Range	

	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+5VSB	-12V	-5V
Max.(Amps)	25A	25A	46A	/	/	/	3.0A	0.8A	/
Min.(Amps)	0.8A	0.5A	4A	/	/	/	0.1A	0A	/
Range (%)	+/-5%	+/-5%	+/-5%	/	/	/	+/-5%	+/-10%	/
Ripple(mV p-p)	50mV	50mV	120mV	/	/	/	50mV	120mV	/

combined +3.3, +5V	140W
combined +12V	46A / 552W
Input Voltage	90V ~ 265V(Auto Range)
Input Frequency Range	47Hz ~ 63Hz
PFC	Active PFC (PF>0.95 at full load)
Efficiency	82%~85% at 20%~100% loading
MTBF	100,000 hours at 25°C, full load
Operating temperature	0 ~ 50°C
Protection	Over Current Protection Over power Protection Over Voltage Protection Under Voltage Protection Short Circuit Protection
Connectors	1 x 24 / 20-Pin Motherboard connector （670mm） 1 x 8 / 4-Pin EPS / ATX 12V connector （670mm） 1 x 8/6-Pin PCIE connector （360mm） 1 x 8/6-Pin PCIE connector （380mm） 3 x SATA connector （350mm + 130mm + 150mm） 2 x 4-Pin Peripheral connector （350mm + 100mm）
Color	Black （Lead-Free Paint）
Cooling System	Single 120mm fan
Noise Level	19 dBA - 30dBA
Dimension	150 mm (W) x 86 mm (H) x 140 mm (D)
Weight	940g
Form factor	ATX PS/2
Certification	80 PLUS Bronze
Other	GPU Support list

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Multimedia	--

Drive Bay	External	Slim optical x 1
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	Internal	3.5" x 1 , 2.5"x 2
Cooling System	Front	--
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	Internal	--
Expansion Slot		2
Front I/O Port		USB3.0 x 2 Audio x 1 MIC x 1
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Operating system support		--
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4/20/24

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Additional Information

Brand	SilverStone Technology
SKU	SST-SG07B-USB3.0-D
Weight	15.0000
Color	Black
Chassis Form Factor	Cube Case
Motherboard Support	Mini ITX
Material	Aluminum
PSU Wattage	No PSU
Special Price	$172.65