SilverStone®

Designing Inspiration

Exquisite and dainty

INCLUDES **80 PLUS** CERTIFIED SFX 300W / 450W PSU

SG05B

USB 3.0 Ready!

SPECIAL FEATURES

- Ample space for CPU cooling (82mm in height)
- Elevated standoff for motherboard back side components
- Support 2.5" and 3.5" hard drives
- Unprecedented 120mm fan in mini casing for positive pressure cooling
- Mini-DTX / Mini-ITX motherboard & SFX PSU compatible
- 80 Plus certified SFX 300W / 450W power supply included
- Standard-length expansion cards support (10 inches)

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SPECIFICATIONS:

Model	SST-SG05B (black) SST-SG05W (white) SST-SG05B-USB3.0 (black) SST-SG05W-USB3.0 (white) SST-SG05BB-450 (black, black interior) SST-SG05BB-450-USB3.0 (black, black interior)
Material	Plastic front panel, SECC body
Motherboard	Mini-DTX, Mini-ITX
Drive Bay	External Slim optical x 1 Internal 3.5" x 1 , 2.5"x1
Cooling System	Front 1 x 120mm intake fan 1200rpm Sides Oversized vents Top Oversized vents
Expansion Slot	2
Front I/O Port	USB 3.0 x 2 (SG05B-USB3.0, SG05W-USB3.0, SG05BB-450-USB3.0 only) USB 2.0 x 2 (SG05B, SG05W, SG05BB-450 only) Audio x 1 MIC x 1
Power Supply	SFX 300W with 80 PLUS certification SFX 450W with 80 PLUS Bronze certification
Expansion Card	Standard size long cards capable (10")* width restriction-5.11"
Dimension	222 mm (W) x 176 mm (H) x 276 mm (D), 10.8 liters

Specifications of Power Supply (Optional)

Max. DC Output 300W							
Load Range							
	+3.3V	+V	+12V1	+12V2	+5VSB	-12V	-5V
Max.(Amps)	20A	22A	14A	16A	2.5A	0.5A	-
Peak (Amps)	/	/	19A	19A	3A	-	-
Min.(Amps)	0.5A	0.5A	1A	1A	0A	0A	-
Range (%)	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	+/-10%	-
Ripple(mVp-p)	70mV	70mV	140mV	140mV	70mV	70mV	-

Combined +3.3, +5V	125W	**Connectors**	1 x 24-pin motherboard connector (300mm) 1 x 4-pin ATX12V connector (300mm) 1 x 6-pin PCI-E connector (300mm) 1 x dual SATA connector (150mm +150mm) 1 x dual 4-pin IDE (300mm + 150mm) 1 x 4-pin IDE & single floppy power connectors (300mm + 150mm)	
Combined +12V	22A / 264W			
Input Voltage	90V ~ 264V (Auto Range)			
Input Frequency Range	47Hz ~ 63Hz			
PFC	Active PFC (PF>0.95 at full load)	**Color**	SECC	
Efficiency	over 80% (20% to 100% loading)	**Cooling System**	Single 80mm fan	
MTBF	100,000 hours at 25°C, full load	**Noise Level**	19 dBA minimum	
Operating temperature	0 ~ 50°C	**Dimension**	125 mm (W) x 63.5 mm (H) x 100 mm (D)	
Protection	Over current protection, Over power protection,Over voltage protection, Short circuit	**Weight**	940g	
		Certification	80 Plus	

Specifications of Power Supply (Optional)

Max. DC Output 450W					
Load Range					
	+3.3V	+5V	+12V1	+5VSB	-12V
Max.(Amps)	21A	22A	36A	2.5A	0.5A
Peak (Amps)	/	/	/	3A	/
Min.(Amps)	0.1A	0.2A	0.6A	0A	0A
Range (%)	±5%	±5%	±5%	±5%	±10%
Line Reg.(%)	±1%	±1%	±1%	±1%	±1%

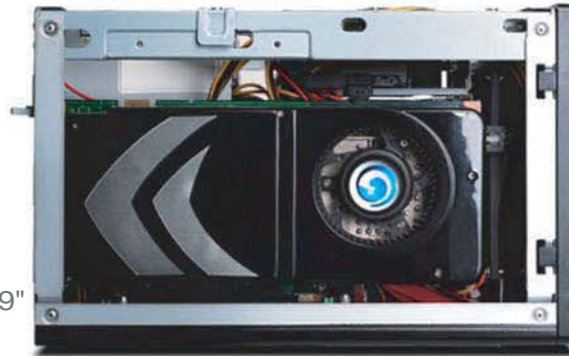|				
Combined +3.3, +5V	120W	**Connectors**	1 x 24 / 20-Pin motherboard connector（300mm） 1 x 8 / 4-Pin EPS / ATX 12V connector（400mm） 1 x 8/6-Pin PCIE connector（400mm） 1 x 6-Pin PCIE connector（550mm / 150mm） 3 x SATA connector（300mm / 220mm / 100mm） 2 x 4-Pin Peripheral connector（300mm / 200mm） 1 x 4-Pin Floppy connector（300mm / 200mm / 200mm）	
Combined +12V	432A / 36W			
Input Voltage	90V ~ 265V			
Input Frequency Range	47Hz ~ 63Hz			
PFC	Active PFC (PF>0.95 at full load)	**Color**	Black（Lead-Free Paint）	
Efficiency	82%~85%（20% to 100% loading）	**Cooling System**	Single 80mm silent fan	
MTBF	100,000 hours at 25°C, full load	**Noise Level**	18 dBA minimum	
Operating temperature	10 ~ 50°C	**Dimension**	125 mm (W) x 63.5 mm (H) x 100 mm (D)	
Protection	Over current protection, Over power protection, Over voltage protection, Under voltage protection, Short circuit protection	**Weight**	1Kg	
		Certification	80 PLUS Bronze	

INTRODUCTION

Designed for use with Mini-DTX and Mini-ITX motherboards, the SG05 is the smallest Sugo yet. Compared with previous iterations at around 23 liters in volume, the SG05 at 10.8 liters is less than half the size! However, in keeping with the spirit of its Sugo name, the case is capable of swallowing many standard components while keeping everything cooled. For the first time in a case of this size class, the SG05 is equipped with a low speed 120mm fan that is mounted to create positive air pressure, ensuring good balance of cooling and quietness. Other notable features include the ability to accept 9 inch long graphics card, room for thicker 2.5 inch hard drives such as Western Digital's VelociRaptor™, full-height for retail boxed CPU coolers, and an 80 PLUS certified SFX 300W / 450W power supply. For building a fast PC in the smallest possible form factor, the SG05 is without peers.

Graphic card length reference:

ATI Radeon HD 5670 - 6.7"
ATI Radeon HD 5750 - 8.15"
ATI Radeon HD 4850/4830/5770 - 9"
ATI Radeon HD 5850 - 9.5"
(ST45SF PSU recommended)
NVIDIA GeForce GTX 680 - 10"
NVIDIA GeForce 9800GT - 9"
NVIDIA GeForce 9600GT/GSO - 9"
NVIDIA GeForce 8800GS/GT/GTS - 9"
NVIDIA GeForce GTS 250 - 9"
NVIDIA GeForce GTX 460 - 8.25"
(ST45SF PSU recommended)

Remark

∗ CPU cooler cannot exceed 82mm in height
∗ We recommend CP08 90°C degree SATA cable for installing extension expansion card in SG05.
∗ Get a Sugo Pack to conveniently take your two SG05s anywhere you go.

CP08

Sugo Pack