

Thermalright

AXP-100H Muscle



Technical Data

Lenght	119 mm (incl. fan)
Width	105 mm (incl. fan)
Height	65 mm (incl. fan)
Weight	296 g (incl. fan)
Fan dimensions	108 x 101 x 14 mm
Material	Hybrid
Fan speed	900 - 2.500 U/min
Air flow	27,3 - 75,7 m³/h
Noise	22 - 30 dB(A)
Connector	4 Pin PWM
Heatpipe	6 x 6 mm
Max. TDP	180 Watt
Manufacturer Number	AXP-100H Muscle
Code	814256001281
Order Number	100700564

Logistical Data

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With the AXP-100H Muscle, we present a reworked version of the popular cooler series, to prevent collisions with the built-in voltage converter cooler on motherboards. The AXP-100H Muscle is in line with its predecessor and maintains the unique price / performance ratio, which makes the compact and powerful HTPC cooler part of the "Value" series.

By eliminating cost intensive features, like the refined heatpipe caps and the sliding "Enhanced Fan Mount", the AXP-100H Muscle can be offered at a very attractive price.

The height of the cooler was only minimally adapted to meet the the requirements and ist just about 51 mm. Thus the AXP-100H Muscle is the first choice when compact dimensions are of the essence. The AXP-100 Muscle is perfectly fitted for Home Theater/Multimedia systems with a low profile.

The AXP-100H Muscle makes use of the T-shape “down draft” cooler design, which directs the air flow perpendicular to the motherboard, thus cooling the surrounding components as well. This way voltage converter, memory banks and chipset can be effectively cooled under ideal circumstances.

In total, the AXP-100H Muscle features six nickel plated heatpipes, which are soldered to the base plate to ensure the best possible heat dissipation. The special design of the 40 aluminium cooling fins is designed to minimize air resistance and effectively contributes to a particularly effective reduction in temperature.

Included is a high-quality TY 100 BW fan with a fan speed of 900 – 2,500 rpm (+/- 15%), which is automatically regulated by means of PWM-signal of the motherboard (if supported). Thus the optimal ratio between sound volume (22 - 30 dBa) and cooling capacity is guaranteed at all times, without the need to manually engage. The fan sports black & white colors, as do all the “Value” coolers.

The fan covers the heat sink almost in total, guaranteeing the best possible heat dissipation. The fan is screwed to the heat sink, slipping of the fan is not possible.

The included universal mounting kit supports all actual Intel- and AMD sockets (Intel LGA775/1156/1366/1155/1150/1151* und AMD AM2/AM2+/AM3/AM3+/FM1/FM2/FM2+). The installation is easy and self-explaining - an illustrated manual (English and German) is included.

The equipment is completed by the excellent Thermalright Chill Factor thermal paste (blister).