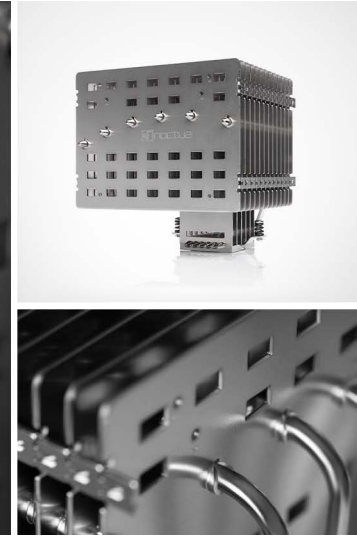


# Noctua NH-P1 Passive Premium Cooler

# NH-P1



The NH-P1 is Noctua's first passive CPU cooler and has been custom-designed for fanless operation from the ground up: in enclosures with good natural convection, its six heatpipes and thick, widely spaced heatsink fins enable it to cool modern high-end CPUs with low to moderate heat dissipation completely passively (see setup guidelines and list of recommended cases). For further enhanced performance or semi-passive setups that only spin up their fans when necessary, the NH-P1 can be outfitted with a low-speed, ultra-quiet 120mm fan such as the NF-A12x25 LS-PWM. Topped off with the professional Torx-based SecuFirm2+™ mounting system, Noctua's award-winning NT-H2 thermal compound and a 6-year manufacturer's warranty, the NH-P1 is the ideal cornerstone for premium-grade fanless or semi-passive builds.

#### Designed for passive cooling from the ground up

The NH-P1 isn't just a regular heatsink without a fan: it has been designed for fanless operation from the ground up, featuring much thicker, much more widely spaced fins in order to achieve both the mass and the minimal airflow resistance that are required in order to excel in natural convection cooling.

#### Fanless cooling for high-end CPUs

In fully optimised fanless systems, the NH-P1 is capable of cooling high-end CPUs with low to moderate heat dissipation using natural convection only (see setup guidelines and CPU compatibility list). This makes it ideal for powerful builds that have no moving parts and run absolutely silent.

#### Increased performance headroom with extra fan

The NH-P1 can be fitted with an extra 120mm fan such as the near inaudible NF-A12x25 LS-PWM in order to increase its maximum dissipation capacity significantly (see setup guidelines and CPU compatibility list): ideal for short spikes of higher heat loads or semi-passive systems that only start their fans when necessary!

#### Asymmetrical layout for optimal PCIe compatibility

Fanless cooling doesn't only have the advantage of being completely silent: if you're relying on natural convection only and don't have case fans pushing air through a case, less dust will accumulate in filters or inside the system. Last but not least, with no moving parts such as fans or pumps that could possibly fail, the NH-P1 is as fail-proof as it can be.

#### No noise, less dust, 100% fail-proof

In fully optimised fanless systems, the NH-P1 is capable of cooling high-end CPUs with low to moderate heat dissipation using natural convection only (see setup guidelines and CPU compatibility list). This makes it ideal for powerful builds that have no moving parts and run absolutely silent.

#### NT-H2 next-gen thermal compound

In high-end passive cooling, every degree counts. This is why the NH-P1 includes a tube of Noctua's next-generation NT-H2 thermal compound that provides even better performance than the award-winning NT-H1, allowing you to achieve the best possible passive cooling results.

#### 6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua CPU coolers, the NH-P1 is built to the highest standards and comes with a full 6-year manufacturer's warranty.

## LOGISTIC DATA

Product name

Noctua NH-P1

EAN

9010018000269

UPC

841501100260

Packaging dimensions (HxWxD)

194x194x224 mm

Weight incl. packaging

1974 g

Warranty

6 years

Packaging unit

8 pcs

Packaging dimensions / unit (HxWxD)

412x407x472 mm

Weight incl. packaging / unit

16.86 kg

## SCOPE OF DELIVERY

NH-P1 heatsink

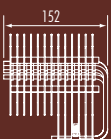
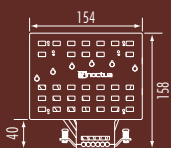
SecuFirm2+™ mounting kit

NT-H2 thermal compound

NA-CW1 cleaning wipe

NM-SD1 screwdriver

Fan clips for optional 120mm fan



## NH-P1 HEATSINK SPECIFICATIONS

|                      |   |
|----------------------|---|
| Socket compatibility | Intel LGA115x (LGA1150, LGA1151, LGA1155, LGA1156), LGA1200, LGA1700 (LGA17xx family), LGA20xx (LGA2066, LGA2011-0 & LGA2011-3 Square ILM) & AMD AM2, AM2+, AM3, AM3+, AM4, FM1, FM2, FM2+ (backplate required) |
| Dimensions           | 158x154x152 mm  |
| Weight               | 1180 g  |
| Material             | Copper (base and heatpipes), aluminium (cooling fins), soldered joints & nickel plating   |
| Fan compatibility    | 120x120x25 mm   |