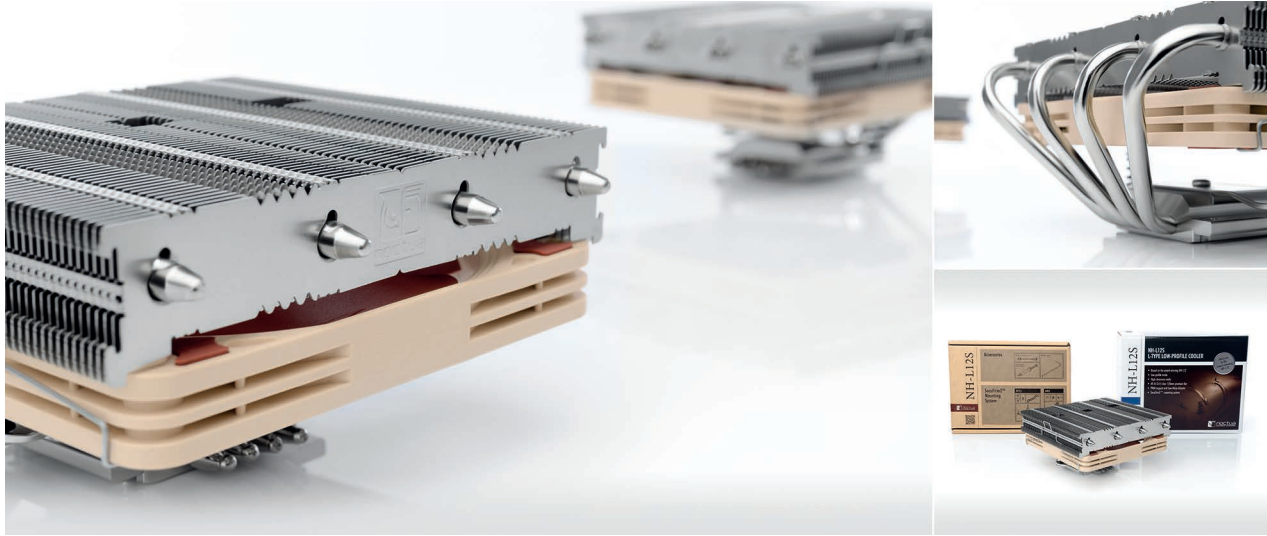


# NH-L12S

# Noctua NH-L12S L-Type Premium Cooler



Successor to the award-winning NH-L12, the NH-L12S is a compact low-profile CPU cooler that combines excellent compatibility, surprising efficiency and remarkable flexibility. Thanks to its NF-A12x15 PWM slim 120mm fan, the NH-L12S provides even better quiet cooling performance than the previous model with its 92mm fan. At the same time, the NH-L12S is highly versatile: with the fan installed on top of the fins, the cooler is compatible with RAM modules of up to 45mm in height. With the fan installed underneath the fins, the total height of the cooler is only 70mm, making it suitable for use in many HTPC and Small Form Factor cases. Topped off with the trusted, pro-grade SecuFirm2™ multi-socket mounting system, Noctua's proven NT-H1 thermal compound and a full 6-year manufacturer's warranty, the NH-L12S is a premium-quality low-profile solution for the highest demands.

### Based on the award-winning NH-L12

Having received more than 200 awards and recommendations from leading international hardware websites and magazines, the NH-L12 has become an established reference for low-profile 120mm top-flow coolers. Equipped with the new NF-A12x15 fan, the new S-version provides more flexibility and improved performance in low-profile mode.

### Low-profile mode

Run with the NF-A12x15 fan installed underneath the fin stack, the NH-L12S stands only 70mm tall. The fan can be installed blowing upwards or blowing downwards in order to match the airflow direction inside the case.

### High-clearance mode

Run with the NF-A12x15 fan installed on top, the NH-L12S provides extended clearance underneath the fin stack. This way, it is fully compatible with chipset coolers and RAM modules with heat-spreaders of up to 45mm in height.

### 6 years warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A12x15 features an MTF rating of more than 150,000 hours and the entire NH-L12S package comes with a full 6-year manufacturer's warranty.

*Caution: The NH-L12S is a low-profile quiet cooler designed for use in Small Form Factor cases and HTPC environments. While it provides first-rate performance in its class, it is not suitable for overclocking and should be used with care on CPUs with more than 95W TDP (Thermal Design Power). Please consult our TDP guidelines to find out whether the NH-L12S is recommended for your CPU.*

## LOGISTIC DATA

Product name	Noctua NH-L12S
EAN	9010018000054
UPC	841501100055
Packaging dimensions (HxWxD)	185x142x146 mm
Weight incl. packaging	1178 g
Warranty	6 years
Packaging unit	8 pcs
Packaging dimensions / unit (HxWxD)	400x308x330 mm
Weight incl. packaging / unit	10.18 kg

## SCOPE OF DELIVERY

- 1x NH-L12S Heatsink
- 1x NF-A12x15 PWM premium fan
- 1x Low-Noise Adaptor (L.N.A.)
- 1x NT-H1 thermal compound
- 1x SecuFirm2™ mounting kit

## NH-L12S HEATSINK SPECIFICATIONS

Socket compatibility	AMD AM4, AM5 & Intel LGA1700 (LGA17xx family), LGA1200, LGA115x (LGA1150, LGA1151, LGA1155, LGA1156) and LGA20xx (LGA2066, LGA2011-0 & LGA2011-3 Square ILM)
Dimensions	146x128x70 mm
Dimensions with NF-A12x15 PWM	146x128x87 mm
Weight	390 g
Weight with NF-A12x15 PWM	520 g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x15 mm & 120x120x25 mm

## NF-A12x15 PWM FAN SPECIFICATIONS

Dimensions	120x120x15 mm	
Connector	4-pin PWM	
Bearing	SS02	
Blade geometry	A-Series with Flow Acceleration Channels	
Frame technology	AAO	
Max. input power	1.56 W	
Voltage	12 V	
MTTF	> 150,000 h	
NF-A12x15 PWM	without adaptor	with L.N.A.
Max. rotational speed (+/-10%)	1850 RPM	1400 RPM
Max. airflow	94.2 m³/h	70.8 m³/h
Max. acoustical noise	23.9 dB(A)	16.8 dB(A)
Max. static pressure	1.53 mmH₂O	0.90 mmH₂O