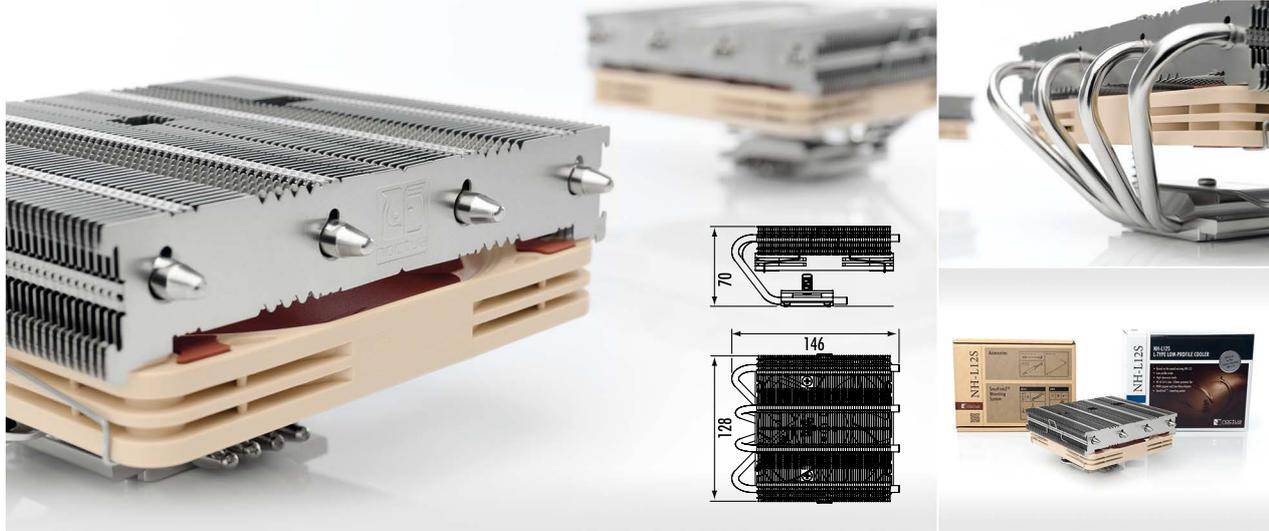


# Noctua NH-L12S L-Type Premium Cooler

# NH-L12S



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.

#### PWM support and Low-Noise Adaptor

The NF-A12x15 premium fan supplied with the NH-L12S supports PWM for convenient automatic speed control through the motherboard. In addition, the maximum fan speed can be reduced from 1850 to 1400rpm using the supplied Low-Noise Adaptor for even quieter operation.

#### SecuFirm2™ mounting system

Noctua's SecuFirm2™ mounting systems have become synonymous with quality, safety and ease of use. Supporting Intel LGA115x (LGA1150, LGA1151, LGA1155, LGA1156), LGA2066, LGA2011 (LGA2011-0 & LGA2011-3) and AMD (AM4, AM3(+), AM2(+), FM1, FM2(+)), the SecuFirm2™ mounting guarantees perfect contact pressure and maximum convenience on all current sockets.

#### 6 years warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A12x15 features an MTTF 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.*

#### COOLER SPECIFICATIONS

Socket compatibility	Intel LGA2066, LGA2011-0 & LGA2011-3 (Square ILM), LGA1156, LGA1155, LGA1151, LGA1150 & AMD AM2, AM2+, AM3, AM3+, AM4, FM1, FM2, FM2+ (backplate required)
Dimensions without NF-A12x15 PWM	146x128x70 mm
Dimensions with NF-A12x15 PWM	146x128x87 mm
Weight	390 gr
Weight with NF-A12x15 PWM	520 gr
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x15 mm & 120x120x25 mm

#### FAN SPECIFICATIONS

Noctua NF-A12x15 PWM		
Dimensions	120x120x15 mm	
Connector	4-pin PWM	
Bearing	SS02-Bearing	
Blade geometry / Frame technology	A-Series with Flow Acceleration Channels / AAO Frame	
Max. input power / Voltage range	1.56 W / 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

#### LOGISTIC DATA

Product name

Noctua NH-L12S

EAN-No.

9010018000054

UPC-No.

841501100055

Dimensions (HxWxD)

185 x 142 x 146 mm

Weight

1.178 gr

Warranty

6 Years

MSPR

49.90 EUR

Packaging unit

8 Pcs

Dimensions / Unit (HxWxD)

400 x 308 x 330 mm

Weight / Unit

10.18 kg

#### SCOPE OF DELIVERY

1x NF-A12x15 PWM premium fan

1x SecuFirm2™ mounting kit

1x NT-H1 high-grade thermal compound

1x Low-Noise Adaptor (L.N.A.)