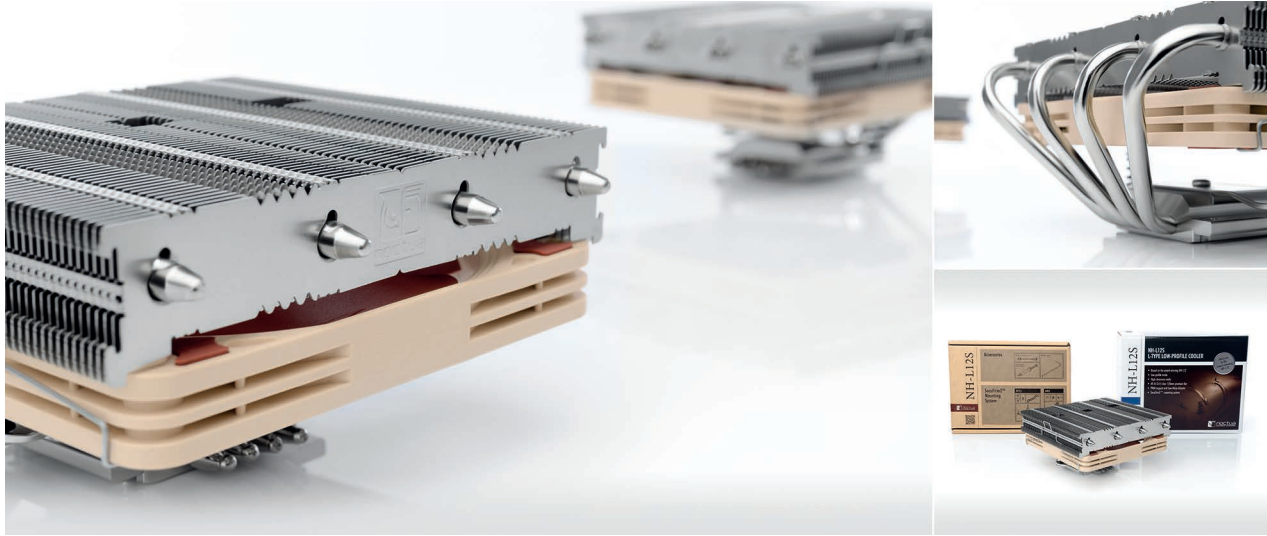


# NH-L12S

# 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 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.*

### LOGISTIC DATA

|                                     |                |
|-------------------------------------|----------------|
| Product name                        | Noctua NH-L12S |
| EAN                                 | 9010018000054  |
| UPC                                 | 841501100055   |
| Packaging dimensions (HxWxD)        | 146x181x141 mm |
| Weight incl. packaging              | 1100 g         |
| Warranty                            | 6 years        |
| Packaging unit                      | 8 pcs          |
| Packaging dimensions / unit (HxWxD) | 340x400x308 mm |
| Weight incl. packaging / unit       | 9.50 kg        |

### SCOPE OF DELIVERY

|                                   |
|-----------------------------------|
| NH-L12S Heatsink                  |
| NF-A12x15 PWM premium fan         |
| NA-RC7 Low-Noise Adaptor (L.N.A.) |
| NT-H1 high-grade thermal compound |
| SecuFirm2™ mounting kit           |
| Noctua metal case-badge           |

### NH-L12S HEATSINK SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| Socket compatibility          | AMD AM4, AM5 & Intel LGA1851, LGA1700, LGA1200, and LGA115x (LGA1150, LGA1151, LGA1155, LGA1156) |
| 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  |