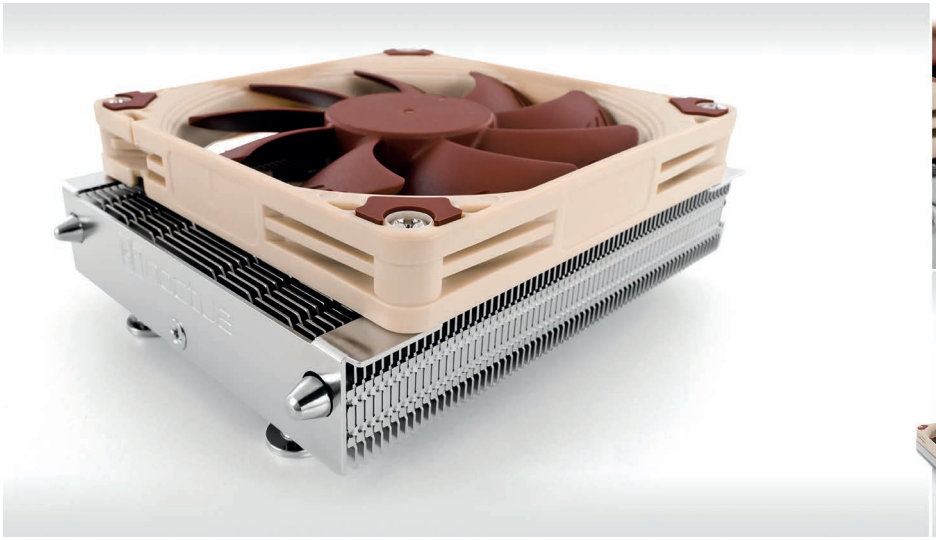
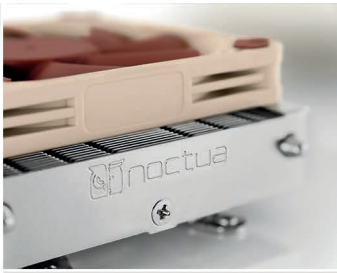
NH-L9a-AM4

Noctua NH-L9a-AM4
L-Type Premium Cooler





The NH-L9a-AM4 is the latest, AM4-specific revision of Noctua's award-winning NH-L9a low-profile CPU cooler for AMD Ryzen-based HTPCs and Small Form Factor (SFF) systems. At a height of only 37mm, the NH-L9a is ideal for extremely slim cases and, due to its small footprint, it provides 100% RAM and PCIe compatibility as well as easy access to near-socket connectors even on tightly packed mini-ITX motherboards. The custom-designed SecuFirm2™ mounting system for the AM4 socket makes installation child's play and, thanks to the highly optimised NF-A9x14 92mm fan that supports fully automatic speed control via PWM, the NH-L9a-AM4 runs remarkably quietly. Topped off with Noctua's renowned NT-H1 thermal compound, the NH-L9a-AM4 combines everything users have come to expect from Noctua's larger coolers into a super-compact, premium-quality package for ITX and HTPC builds with Ryzen CPUs or APUs.

New revision for Ryzen's AM4 socket

Since the original NH-L9a for AM2(+), AM3(+), FM1 and FM2(+) has received more than 50 awards and recommendations from international hardware websites and magazines, the new AM4 revision builds on the same proven heatsink design to provide excellent low-profile cooling performance for Ryzen CPUs and APUs.

100% RAM compatibility

The NH-L9a-AM4 has a compact footprint that fully complies with the socket keep-out zones specified by AMD. This means that neither the heatsink nor the fan overhang the RAM, so the cooler provides easy access to the slots and is fully compatible with tall memory modules.

6 years warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A9x14 PWM features an MTTF rating of more than 150,000 hours and the entire NH-L9a-AM4 package comes with a full 6-year manufacturer's warranty.

Caution: The NH-L9a-AM4 is a highly compact, quiet low-profile 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 is only recommended for CPUs/APUs with up to 95W TDP (Thermal Design Power). Please consult our TDP guidelines to find out whether the NH-L9a-AM4 is recommended for your CPU/APU.

LOGISTIC DATA

Product name	Noctua NH-L9a-AM4
EAN	9010018000092
UPC	841501100093
Packaging dimensions (HxWxD)	212x148x53 mm
Weight incl. packaging	770 g
Warranty	6 years
Packaging unit	24 pcs
Packaging dimensions / unit (HxWxD)	460x440x250 mm
Weight incl. packaging / unit	19.70 kg

SCOPE OF DELIVERY

- 1x NH-L9a Heatsink
- 1x NF-A9x14 HS-PWM premium fan
- 1x Low-Noise Adaptor (L.N.A.)
- 1x NT-H1 thermal compound
- 1x SecuFirm2™ mounting kit AM4

NH-L9a HEATSINK SPECIFICATIONS

Socket compatibility	AM4
Dimensions	114x92x23 mm
Dimensions with NF-A9x14 HS-PWM	114x92x37 mm
Weight	390 g
Weight with NF-A9x14 HS-PWM	465 g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x14mm & 92x92x25mm

NF-A9x14 HS-PWM FAN SPECIFICATIONS

Dimensions	92x92x14 mm
Connector	4-pin PWM
Bearing	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO
Max. input power	2.52 W
Voltage	12 V
MTTF	> 150,000 h

NF-A9x14 HS-PWM	without adaptor	with L.N.A.
Max. rotational speed (+/–10%)	2500 RPM	1800 RPM
Max. airflow	57.5 m^3/h	40.08 m^3/h
Max. acoustical noise	23.6 dB(A)	14.8 dB(A)
Max. static pressure	2.11 mmH_2O	1.06 mmH_2O

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DESIGNED IN AUSTRIA

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 3000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are chosen by more than a hundred thousand satisfied customers around the globe.

www.noctua.at