

# NH-L9a-AM5

# Noctua NH-L9a-AM5 L-Type Premium Cooler



The NH-L9a-AM5 is the latest, AM5-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 AM5 socket makes installation a breeze and, thanks to the highly optimised NF-A9x14 92mm fan that supports fully automatic speed control via PWM, the NH-L9a-AM5 runs remarkably quietly. Topped off with Noctua's renowned NT-H1 thermal compound, the NH-L9a-AM5 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 AMD AM5 processors.

#### New revision for AMD's AM5 (LGA1718) socket

Since the original NH-L9a coolers for AM3 and AM4 have received more than 100 awards and recommendations from international hardware websites and magazines, the new AM5 revision builds on the same proven heatsink design to provide excellent low-profile cooling performance for AMD's latest Ryzen processors.

#### 100% RAM compatibility

The NH-L9a-AM5 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-year manufacturer's warranty

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

*Caution: The NH-L9a-AM5 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-AM5 is recommended for your CPU/APU.*

#### LOGISTIC DATA

Product name

Noctua NH-L9a-AM5

EAN

9010018000344

UPC

841501100345

Packaging dimensions (HxWxD)

169x150x48 mm

Weight incl. packaging

614 g

Warranty

6 years

Packaging unit

24 pcs

Packaging dimensions / unit (HxWxD)

485x358x235 mm

Weight incl. packaging / unit

15.60 kg

#### SCOPE OF DELIVERY

1x NH-L9a-AM5 Heatsink

1x NF-A9x14 HS-PWM premium fan

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

1x NT-H1 thermal compound

1x SecuFirm2™ mounting kit AM5

#### NH-L9a-AM5 HEATSINK SPECIFICATIONS

Socket compatibility	AMD AM5
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	SS02	
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 m³/h	40.08 m³/h
Max. acoustical noise	23.6 dB(A)	14.8 dB(A)
Max. static pressure	2.11 mmH <sub>2</sub> O	1.06 mmH <sub>2</sub> O