NH-L9x65

The NH-L9x65 is a taller, performance-enhanced version of Noctua's award-winning NH-L9 low-profile coolers. With 65 instead of 37mm height and four instead of two heatpipes, the NH-L9x65 is more powerful than its smaller siblings yet retains their 95x95mm footprint, which guarantees 100% RAM and PCIe compatibility on Intel based ITX mainboards and makes the cooler more convenient to work with as it doesn't overhang near-socket connectors. Thanks to the highly optimised NF-A9x14 premium fan that supports fully automatic speed control via PWM, the NH-L9x65 runs remarkably quiet. Topped off with the professional SecuFirm2™ multi-socket mounting system for Intel and AMD, Noctua's renowned NT-H1 thermal compound and 6 years manufacturer's warranty, the NH-L9x65 fuses everything users have come to expect from Noctua's larger coolers into a compact premium package for space restricted systems.

LOGISTIC DATA

Product Name
Noctua NH-L9x65

EAN-No.
471612331562-9

UPC-No.
84243101251-7

Dimensions (HxWxD)
185 x 135 x 135 mm

Weight
985 gr

Warranty
6 Years

MSPR
49.90 EUR

Packaging Unit
12 Pcs

Dimensions / Unit (HxWxD)
430 x 385 x 295 mm

Weight / Unit
12.8 kg

SCOPE OF DELIVERY

1x NH-L9x65 Heatsink

1x NF-A9x14 PWM 92mm Premium fan

1x SecuFirm2™ Mounting Kit

1x NT-H1 high-grade thermal compound

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

65mm low profile
Due to its compact heatsink and the 14mm thin NF-A9x14 low profile fan, the NH-L9x65 stands only 65mm tall (the same height as low-profile expansion cards), which makes it ideal for use in compact HTPCs or Small Form Factor cases that offer limited clearance for CPU coolers.

NF-A9x14 PWM premium fan
The highly optimised NF-A9x14 premium fan features Noctua's proprietary AAO frame as well as sophisticated aerodynamic design measures. Supporting PWM for fully automatic speed control, the NF-A9x14 allows the NH-L9x65 to stay remarkably quiet.

100% RAM compatibility on Intel platforms
The NH-L9x65 has a 95x95mm footprint that complies exactly to the Intel LGA115x socket keep-out zone. This means that it won't cause issues with chipset coolers and doesn't overhang the RAM slots, making it fully compatible with tall memory modules.

Easy access to near-socket connectors
Many low-profile coolers use larger fans or heatsinks in order to achieve sufficient cooling performance, but protruding over the socket zone, they make it difficult or even impossible to reach near-socket connectors on tightly packed ITX mainboards. Thanks to its 95x95mm footprint, the NH-L9x65 provides easy access to all connectors and components.

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), LGA2011 and AMD (AM3(+), AM2(+), FM1, FM2(+)), the SecuFirm2™ mounting included with the NH-L9x65 guarantees perfect contact pressure and maximum convenience on all current sockets.

Low-Noise Adaptor
Allowing to reduce the maximum speed of the NF-A9x14 fan from 2500 to 1800rpm, the included Low-Noise Adaptor (L.N.A.) makes it possible to achieve near-silent setups using CPUs with up to 65W TDP.

6 years warranty
Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A9x14 features an MTBF rating of more than 150.000 hours and the entire NH-L9x65 package comes with a full 6 years manufacturer's warranty.

Caution: The NH-L9x65 is a highly-compact 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 100W TDP (Thermal Design Power). Please consult our TDP guidelines to find out whether the NH-L9x65 is recommended for your CPU.

COOLER SPECIFICATIONS

Socket compatibility	Intel LGA2011 (Square ILM)
	Intel LGA1156, LGA1155, LGA1150
	AMD AM2, AM2+, AM3, AM3+, FM1, FM2
Dimensions	95x95x51 mm
Dimensions with NF-A9x14 PWM	95x95x65 mm
Weight	340 gr
Weight with NF-A9x14 PWM	413 gr
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x14mm & 92x92x25mm

FAN SPECIFICATIONS

Noctua NF-A9x14 PWM

Dimensions	92x92x14 mm
Connector	4-pin PWM
Bearing	SSO2-Bearing
Blade Geometry / Frame Technology	A-Series with Flow Acceleration Channels / AAO Frame
Max. Input Power / Volate Range	2.52 W / 12 V
MTBF	> 150.000 h

NF-A9x14 PWM	without Adapter	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 mmH2O	1.06 mmH2O

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