

NH-D9L

Noctua NH-D9L D-Type Tower Cooler



The NH-D9L is a premium grade dual tower CPU cooler that has been designed to provide excellent quiet cooling performance at a height of only 110mm. Its comparably low profile (15mm lower than classic 9cm tower coolers such as the NH-U9S) doesn't only guarantee full 3U compliance but also makes the NH-D9L ideal for compact HTPC and Small Form Factor cases that have airflow paths parallel to the mainboard. Thanks to its 95x95mm footprint, the NH-D9L clears the RAM and PCIe slots on all Intel based and most AMD based ITX mainboards. The included NF-A9 premium fan supports automatic speed control via PWM for outstanding quietness of operation and a second, optional NF-A9 fan can be added for further improved performance in dual fan mode. Topped off with the trusted, pro-grade SecuFirm2™ multi-socket mounting system, Noctua's proven NT-H1 thermal compound and full 6 years manufacturer's warranty, the NH-D9L forms a highly compact premium package for space-restricted applications.

Low-profile tower design for better airflow efficiency

While most low-profile coolers blow air towards the motherboard, the NH-D9L is a tower style cooler that bows parallel to the mainboard, which allows for superior airflow efficiency in cases with front intake and rear exhaust fans that create an airflow path parallel to the mainboard.

3U compatibility

Whereas classic 9cm coolers with up to 125mm height fit 4U rack mount cases, the NH-D9L's reduced height of 110mm allows it to also fit 3U chassis. This makes it ideal for noise-sensitive 3U applications in fields such as audio or video processing.

100% compatibility with PCIe cards on mini-ITX

Many Intel LGA115x based mini-ITX mainboards have the PCIe slot sitting right next to the 95x95mm socket zone. While larger coolers that exceed this zone are likely to block the PCIe slot, the 95x95mm sized NH-D9L provides full compatibility with PCIe cards, be it on ATX, microATX or ITX.

6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A9's feature an MTTF rating of more than 150,000 hours and the entire NH-D9L package comes with a full 6-year manufacturer's warranty.

NH-D9L HEATSINK SPECIFICATIONS

Socket compatibility	AMD AM4, AM5 & Intel LGA1851, LGA1700, LGA1200, and LGA115x (LGA1150, LGA1151, LGA1155, LGA1156)
Dimensions	110x95x95 mm
Dimensions with NF-A9 PWM	110x95x95 mm
Weight	428 g
Weight with NF-A9 PWM	531 g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x25 mm

NF-A9 PWM FAN SPECIFICATIONS

Dimensions	92x92x25 mm	
Connector	4-pin PWM	
Bearing	SS02	
Blade geometry	A-Series with Flow Acceleration Channels	
Frame technology	AAO	
Max. input power	1.2 W	
Voltage	12 V	
MTTF	> 150,000 h	
NF-A9 PWM	without adaptor	with L.N.A.
Max. rotational speed (+/-10%)	2000 RPM	1550 RPM
Max. airflow	78.9 m³/h	62.6 m³/h
Max. acoustical noise	22.8 dB(A)	16.3 dB(A)
Max. static pressure	2.28 mmH₂O	1.53 mmH₂O

LOGISTIC DATA

Product name	Noctua NH-D9L
EAN	4716123315582
UPC	842431012487
Packaging dimensions (HxWxD)	118x115x118 mm
Weight incl. packaging	1198 g
Warranty	6 years
Packaging unit	12 pcs
Packaging dimensions / unit (HxWxD)	490x380x390 mm
Weight incl. packaging / unit	15.90 kg

SCOPE OF DELIVERY

NH-D9L Heatsink
NF-A9 PWM premium fan
Low-Noise Adaptor (L.N.A.)
NT-H1 thermal compound
SecuFirm2™ mounting kit
Installation-kit for second NF-A9 fan (optional)