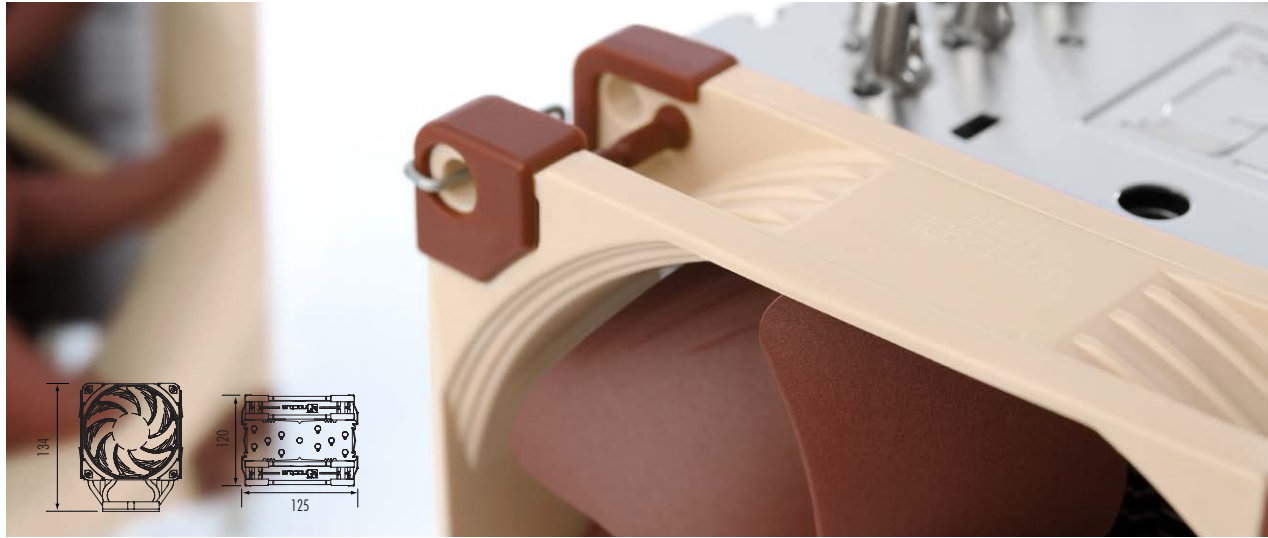


NH-D9 DX-3647 4U

Noctua NH-D9 DX-3647 4U D-Type Premium Cooler



Noctua's DX line CPU coolers have become a default choice in premium grade quiet cooling solutions for Intel Xeon processors. The NH-D9 DX-3647 4U features a larger, custom-designed contact surface and supports both square and narrow type LGA3647 platforms. Based on the proven, 92mm size NH-D9L heatsink and equipped with two of Noctua's award-winning, PWM controlled NF-A9 92mm fans (high-efficiency 2500rpm version), it combines strong performance with excellent compatibility for 4U systems and other space-restricted applications. Topped off with the professional SecuFirm2™ mounting system and pre-applied NT-H1 thermal compound, the NH-D9 DX-3647 4U forms a complete premium quality package for quietly cooling LGA3647 based Xeon workstations and servers.

DX series for Intel Xeon

First introduced in 2008, Noctua's DX line CPU coolers have become a standard choice when it comes to quiet, premium grade air cooling solutions for Intel Xeon processors. Thanks to their superior acoustic efficiency, they are ideal for workstations and servers that run in noise sensitive environments (e.g. audio/video production, content creation, engineering, etc.).

Customised for LGA3647

The new DX-3647 line coolers are dedicated, customised solutions for Intel's professional LGA3647 platform, which makes them an ideal fit for both Skylake-SP based Xeon Scalable CPUs (Platinum, Gold, Silver or Bronze, Purley series) and Xeon-Phi processors (code names Knight's Landing or Knight's Mill).

Enlarged contact surface

At 70x56mm, the heatsink's copper contact surface is more than double the size of the standard model. Tailored to fit the enormous integrated heat-spreaders (IHS) of Intel's LGA3647-based processors, this customised design allows for an optimal heat flow from the CPU over the base to the heatpipes and on to the cooling fins.

Compact 92mm size for best compatibility

Thanks to its compact footprint (95x95mm with center fan only, second fan can be installed on either side depending on available space) and a total height of only 134mm, the NH-D9 DX-3647 4U provides excellent PCIe compatibility and is small enough to fit most 4U size rack-mount enclosures.

Dual NF-A9 HS-PWM fans

The NH-D9 DX-3647 4U is equipped with two of Noctua's award-winning NF-A9 92mm fans in their high-speed 2500rpm HS-PWM variant. This push/pull dual fan configuration makes it possible to achieve a level of cooling performance that is remarkable for such a compact cooler and comes close to the bigger NH-U12S DX-3647.

Pre-applied NT-H1 thermal compound

Noctua's much-acclaimed NT-H1 is a pro-grade TIM solution that provides minimum thermal resistance and outstanding long-term stability. Having the paste pre-applied to the heatsink base ensures optimal bond-line thickness and saves precious time in installation. Ideal for system integrators!

6 years warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. True to this legacy, the NH-D9 DX-3647 4U heatsink is built to last, and like all Noctua fans, the supplied NF-A9 HS-PWM units feature an MTTF rating of more than 150.000 hours. The entire package comes with a full 6-year manufacturer's warranty.

COOLER SPECIFICATIONS

Socket compatibility	Intel Xeon LGA3647 (Square ILM & Narrow ILM)
Dimensions without 2x NF-A9 HS-PWM	134x95x95 mm
Dimensions with 2x NF-A9 HS-PWM	134x95x120 mm
Weight without 2x NF-A9 HS-PWM	584 gr
Weight with 2x NF-A9 HS-PWM	769 gr
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x25 mm

FAN SPECIFICATIONS

Noctua NF-A9 HS-PWM

Dimensions	92x92x25 mm
Connector	4-pin PWM
Bearing	SS02-Bearing
Blade geometry / Frame technology	A-Series with Flow Acceleration Channels
Max. input power / Voltage range	1.68 W / 12 V
MTTF	> 150.000 h

NF-A9 HS-PWM

Max. rotational speed (+/-10%)	2500 RPM
Max. airflow	96.3 m³/h
Max. acoustical noise	30.6 dB(A)
Max. static pressure	3.39 mmH ₂ O

LOGISTIC DATA

Product Name
Noctua NH-D9 DX-3647 4U

EAN-No.
9010018000153

UPC-No.
841501100154

Dimensions (HxWxD)
189 x 208 x 152 mm

Weight
1.426 gr

Warranty
6 Years

MSPR
89.90 USD

Packaging Unit
8 Pcs

Dimensions / Unit (HxWxD)
410 x 326 x 444 mm

Weight / Unit
12.4 kg

SCOPE OF DELIVERY

NH-D9 DX-3647 4U heatsink

NF-A9 HS-PWM Premium fans

SecuFirm2™ mounting system

4-pin y-cable

NT-H1 high-grade thermal compound
(pre-applied to the heatsink)