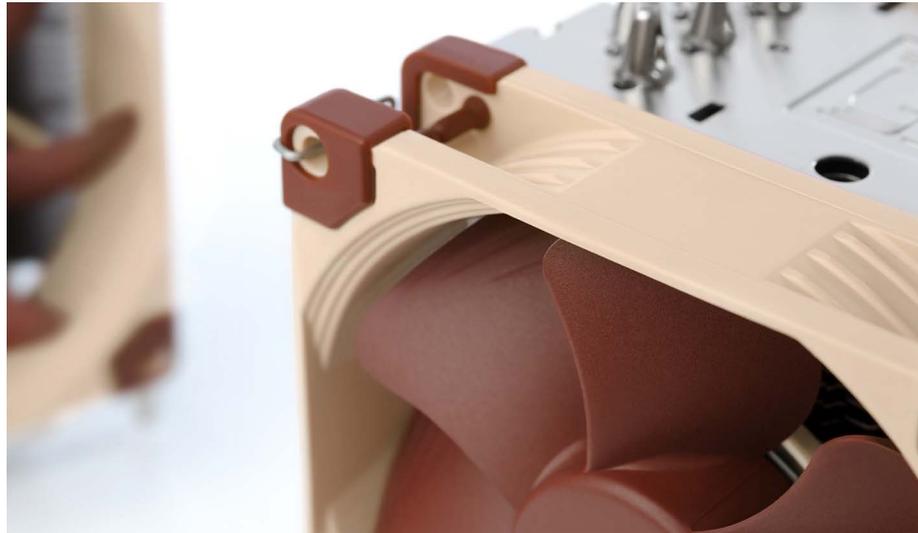


NH-U9 DX-4189

Noctua NH-U9 DX-4189 U-Type Tower Cooler



Noctua's DX line CPU coolers have become a default choice in premium grade quiet cooling solutions for Intel Xeon processors. The NH-U9 DX-4189 features a larger, custom-designed contact surface for LGA4189 platforms. Based on the proven, 92mm size NH-U9 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. The NH-U9's direction of airflow is perpendicular to the long axis of the LGA4189 socket, so it is ideal for workstation builds where the top PCIe slot must not be blocked and this orientation is required for having the cooler exhausts towards the I/O panel. Topped off with the professional SecuFirm2™ mounting system and pre-applied NT-H1 thermal compound, the NH-U9 DX-4189 forms a complete premium quality package for quietly cooling LGA4189 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 LGA4189

The new DX-4189 line coolers are dedicated, customised solutions for Intel's professional LGA4189 platform (Whitley), which makes them an ideal fit for both Ice Lake-SP based 3rd generation Xeon Scalable CPUs (Platinum, Gold, Silver or Bronze) and W-3300 series Xeon processors for workstations (Ice Lake-64L).

LGA4189-4 (P4) CPU carrier frame

The scope of delivery includes an LGA4189-4 (P4) type CPU carrier frame for Intel Ice Lake-SP and Ice Lake-64L based processors (Whitley platform). However, the heatsink's SecuFirm2™ mounting system also supports P5 type LGA4189 sockets (LGA4189-5) for Intel Cooper Lake based processors. CPU carrier frames for LGA4189-5 are available on request via support@noctua.at.

6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. True to this legacy, the NH-U9 DX-4189 heatsink is built to last, and like all Noctua fans, the supplied NF-A9 units feature an MTTF rating of more than 150,000 hours. The entire package comes with a full 6-year manufacturer's warranty.

LOGISTIC DATA

Product name
Noctua NH-U9 DX-4189

EAN
9010018000313

UPC
841501100314

Packaging dimensions (HxWxD)
190x179x140 mm

Weight incl. packaging
1236 g

Warranty
6 years

Packaging unit
12 pcs

Packaging dimensions / unit (HxWxD)
298x583x371 mm

Weight incl. packaging / unit
15.84 kg

SCOPE OF DELIVERY

- NH-U9 DX-4189 heatsink
- 2x NF-A9 HS-PWM premium fan
- CPU carrier frame for LGA4189-4 (P4)
- NM-SMT5 Torx® T30 mounting tool
- SecuFirm2™ mounting kit for LGA4189
- NT-H1 thermal compound (pre-applied to the heatsink)

NH-U9 DX-4189 HEATSINK SPECIFICATIONS

Socket compatibility	Intel Xeon LGA4189
Dimensions	125x95x71 mm
Dimensions with NF-A9 HS-PWM	125x95x119 mm
Weight	660 g
Weight with NF-A9 HS-PWM	855 g
Material	Copper (base and heatpipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x25mm

NF-A9 HS-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	1.68 W
Voltage	12 V
MTTF	> 150,000 h
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