

# NH-D9 DX-4189 4U

## Noctua NH-D9 DX-4189 4U D-Type Premium Cooler



### LOGISTIC DATA

Product name  
**NH-D9 DX-4189 4U**

EAN  
9010018000320

UPC  
841501100321

Packaging dimensions (HxWxD)

189x205x151 mm

Weight incl. packaging

1324 g

Warranty

6 years

Packaging unit

8 pcs

Packaging dimensions / unit (HxWxD)

398x433x330 mm

Weight incl. packaging / unit

11.48 kg

### SCOPE OF DELIVERY

NH-D9 DX-4189 4U 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

NM-SMT3 mounting tool  
for mounting bracket installation

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

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-4189 4U features a larger, custom-designed contact surface for LGA4189 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. The NH-D9's direction of airflow is parallel to the long axis of the LGA4189 socket, so it is ideal for server builds where the cooler's fans should work in tandem with the airflow inside the chassis, or for workstation builds where this orientation is required for having the cooler exhaust towards the top of the case. Topped off with the professional SecuFirm2™ mounting system and pre-applied NT-H1 thermal compound, the NH-D9 DX-4189 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 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

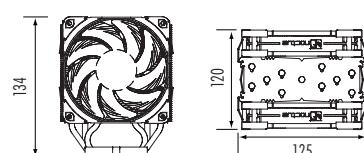
The scope of delivery includes an LGA4189-4 (P4) type CPU carrier frame for Intel Ice Lake-SP and Ice Lake-64L based processors (Whitley platform). However, the heatsink's SecuFirm2™ mounting system also supports P5 type LGA4189 sockets (LGA4189-5) for Intel Cooper Lake based processors. CPU carrier frames for LGA4189-5 are available on request via [support@noctua.at](mailto: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-D9 DX-4189 4U 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.

### NH-D9 DX-4189 4U HEATSINK SPECIFICATIONS

Socket compatibility	Intel Xeon LGA4189
Dimensions	134x95x95 mm
Dimensions with 2x NF-A9 HS-PWM	134x95x120 mm
Weight	584 g
Weight with 2x NF-A9 HS-PWM	769 g
Material	Copper (base and heatpipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x25 mm



### NF-A9 HS-PWM FAN SPECIFICATIONS

Dimensions	92x92x25 mm
Connector	4-pin PWM
Bearing	SS02
Blade geometry	A-Series with Flow Acceleration Channels
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 mmH₂O