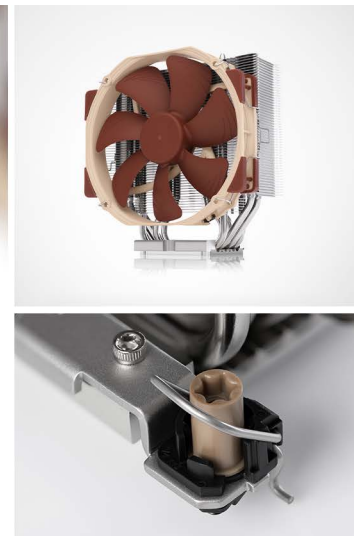NH-U14S DX-4189

Noctua NH-U14S DX-4189
U-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-U14S DX-4189 features a larger, custom-designed contact surface for LGA4189 platforms. Based on the proven, 140mm size NH-U14S heatsink and equipped with Noctua's award-winning, PWM controlled NF-A15 140mm fan, it combines maximum performance and superb acoustics. Topped off with the professional SecuFirm2™ mounting system and pre-applied NT-H1 thermal compound, the NH-U14S 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).
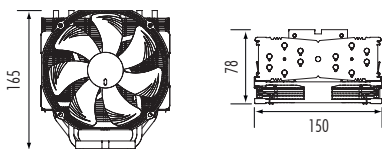
LGA4189-4 (P4) CPU carrier frame
The scope of delivery includes an LGA4189-4 (P4) type CPU carrier frame for Intel Ice Lake-SP and Ice Lake-64L based processors (Whitley platform). However, the heatsink's SecuFirm2™ mounting system also supports P5 type LGA4189 sockets (LGA4189-5) for Intel Cooper Lake 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-U14S DX-4189 heatsink is built to last, and like all Noctua fans, the supplied NF-A15 unit features 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-U14S DX-4189

EAN
9010018000290

UPC
841501100291

Packaging dimensions (HxWxD)
159x227x204 mm

Weight incl. packaging
1554 g

Warranty
6 years

Packaging unit
8 pcs

Packaging dimensions / unit (HxWxD)
344x475x432 mm

Weight incl. packaging / unit
13.60 kg

SCOPE OF DELIVERY

NH-U14S DX-4189 heatsink

NF-A15 HS-PWM premium fan

CPU carrier frame for LGA4189-4 (P4)

NM-SMT5 Torx® T30 mounting tool

SecuFirm2™ mounting kit

Anti-vibration pads and fan-clips for second NF-A15

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

NH-U14S DX-4189 HEATSINK SPECIFICATIONS

Socket compatibility	Intel Xeon LGA4189
Dimensions	165x150x52 mm
Dimensions with NF-A15 HS-PWM	165x150x78 mm
Weight	797 g
Weight with NF-A15 HS-PWM	957 g
Material	Copper (base and heatpipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility with 120 mm holes	140x150x25 mm, 140x140x25 mm & 120x120x25 mm

NF-A15 HS-PWM FAN SPECIFICATIONS

Dimensions	140x150x25 mm
Connector	4-pin PWM
Bearing	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO
Max. input power	1.56 W
Voltage	12 V
MTTF	> 150,000 h
Max. rotational speed (+/–10%)	1500 RPM
Max. airflow	140.2 m³/h
Max. acoustical noise	24.6 dB(A)
Max. static pressure	2.08 mm H_2O

165
78
150

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