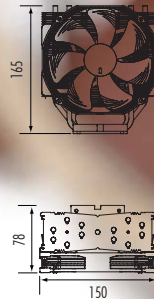


NH-U14S DX-3647

Noctua NH-U14S DX-3647 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-3647 features a larger, custom-designed contact surface and supports both square and narrow type LGA3647 platforms. Based on the proven, 120mm size NH-U14S heatsink and equipped with two of Noctua's award-winning, PWM controlled NF-A12x25 120mm fans, it provides an excellent balance of performance, compatibility and quietness of operation. Topped off with the professional SecuFirm2™ mounting system and pre-applied NT-H1 thermal compound, the NH-U14S DX-3647 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.

140mm size for maximum performance

With six heatpipes, a fin surface area of more than 6000cm² and the large, highly optimised NF-A15 PWM 140mm fan, the NH-U14S DX-3647 provides a superior level of quiet cooling efficiency. This makes it ideal for building cutting-edge, ultra high-performance Xeon-based workstations that run almost silent.

NF-A15 PWM 140mm premium fan

Complying with Noctua's AAO standard and featuring sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A15 PWM has quickly built up a reputation as one of the best 140mm heatsink fans on the market.

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-U14S DX-3647 heatsink is built to last, and like all Noctua fans, the supplied NF-A15 PWM unit features 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 NF-A15 PWM	165x150x52 mm
Dimensions with NF-A15 PWM	165x150x78 mm
Weight without NF-A15 PWM	797 g
Weight with NF-A15 PWM	957 g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility (with 120mm holes)	140x150x25 mm / 120x120x25 mm

FAN SPECIFICATIONS

Noctua NF-A15 PWM

Dimensions	140x150x25 mm
Connector	4-pin PWM
Bearing	SS02-Bearing
Blade geometry / Frame technology	A-Series with Flow Acceleration Channels
Max. input power / Voltage range	1.56 W / 12 V
MTTF	> 150.000 h

NF-A15 PWM

Max. rotational speed (+/-10%)	1500 RPM
Max. airflow	140.2 m ³ /h
Max. acoustical noise	24.6 dB(A)
Max. static pressure	2.08 mmH ₂ O

LOGISTIC DATA

Product Name	Noctua NH-U14S DX-3647
EAN	9010018000139
UPC	841501100130
Dimensions (HxWxD)	160x227x198 mm
Weight	1.710 g
Warranty	6 years
Packaging unit	8 pcs
Dimensions / unit (HxWxD)	342x417x481 mm
Weight / unit	15.2 kg

SCOPE OF DELIVERY

NH-U14S DX-3647 heatsink
NF-A15 PWM Premium fan
SecuFirm2™ mounting system
NT-H1 high-grade thermal compound (pre-applied to the heatsink)
Anti-vibration pads and fan-clips for second NF-A15 (optional)