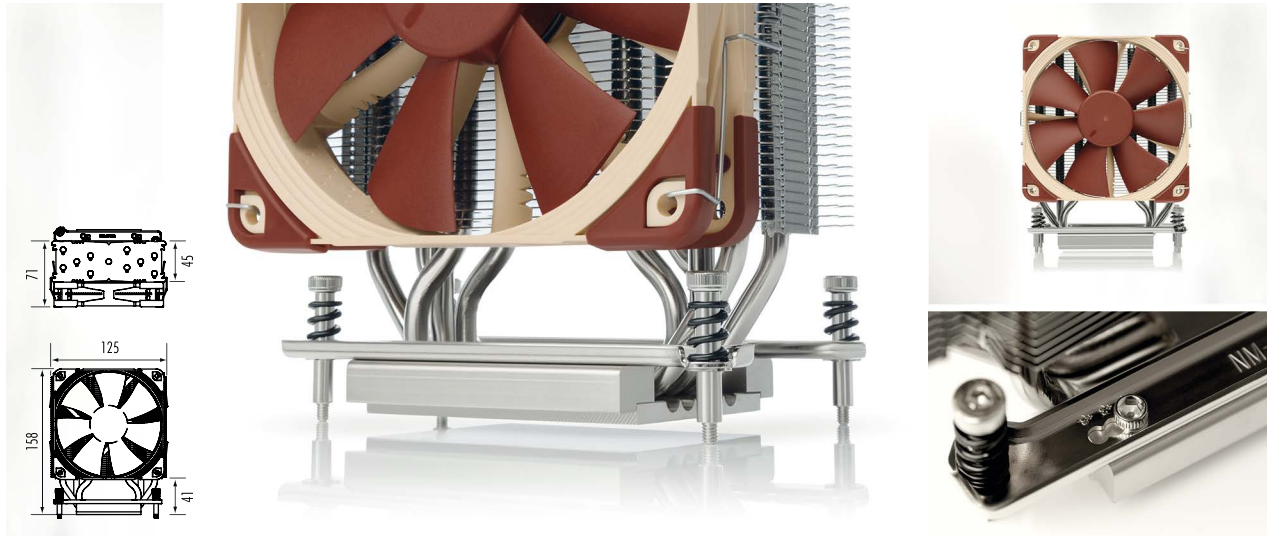


NH-U12S TR4-SP3

Noctua NH-U12S TR4-SP3 U-Type Premium Cooler



Continuing the legacy of Noctua's classic NH-U-series, which has received more than a thousand awards and recommendations from international hardware websites and magazines, the NH-U12S has become a benchmark for slim, highly compatible 120mm single tower coolers. The TR4-SP3 version is a tailored custom model for AMD's TR4/SP3 platform (Ryzen Threadripper / Epyc) and features a larger contact surface as well as the latest SecuFirm2™ mounting system for socket TR4/SP3. Topped off with the renowned quiet NF-F12 PWM 120mm fan, Noctua's proven NT-H1 thermal compound and a full 6-year manufacturer's warranty, the NH-U12S TR4-SP3 forms a complete premium-quality solution that combines outstanding performance, superb acoustics and excellent compatibility for high-end TR4/SP3 systems.

Award-winning NH-U12S cooler

Tens of thousands of enthusiast users all over the world swear by the NH-U12S' quality and performance. Recommended by more than 200 international hardware websites and magazines, it is renowned as being one of the best 120mm coolers on the market.

Tailored custom version for TR4/SP3 (Ryzen Threadripper / Epyc)

At 70x56mm, the copper contact surface of the TR4-SP3 version is more than double the size of the standard model. Tailored to fit the enormous integrated heat-spreaders (IHS) of AMD's TR4/SP3-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.

120mm size for excellent performance and compatibility

With five heatpipes and the powerful NF-F12 120mm fan, the NH-U12S achieves outstanding cooling performance while maintaining excellent compatibility: At 158mm height and 125mm width, it is short enough to fit most modern tower cases and stays clear of the top PCIe slot on most motherboards.

NF-F12 120mm Focused Flow™ fan

Recommended by more than 150 hardware publications and thousands of enthusiasts worldwide, Noctua's premium-quality NF-F12 Focused Flow™ 120mm fan is renowned for combining superb static pressure, excellent heatsink performance and a surprising quietness of operation.

PWM support and Low-Noise Adaptor

The NF-F12 120mm fan supplied with the NH-U12S supports PWM for convenient automatic speed control through the motherboard. In addition, the maximum fan speed can be reduced from 1500 to 1200rpm using the supplied Low-Noise Adaptor for even quieter operation.

Offset mounting options for better PCIe clearance

In order to assure optimal compatibility with SLI and CrossFire multi-GPU setups, the SecuFirm2™ mounting for TR4/SP3 makes it possible to offset the cooler by 3 or 6mm towards the upper edge of the motherboard, thereby increasing clearance of the top PCIe slot.

6 years warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-F12 features an MTF rating of more than 150,000 hours and the entire NH-U12S package comes with a full 6-year manufacturer's warranty.

COOLER SPECIFICATIONS

Socket compatibility	AMD TR4/SP3
Dimensions without NF-F12 PWM	158x125x45 mm
Dimensions with NF-F12 PWM	158x125x72 mm
Weight	695 gr
Weight with NF-F12 PWM	870 gr
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x25mm

FAN SPECIFICATIONS

Noctua NF-F12 PWM

Dimensions	120x120x25mm	
Connector	4-pin PWM	
Bearing	SS02-Bearing	
Blade geometry / Frame technology	Heptaperf™ / Focused Flow™	
Max. input power / Voltage range	0.60 W / 12 V	
MTTF	> 150.000 h	

NF-F12 PWM	without adaptor	with L.N.A.
Max. rotational speed (+/-10%)	1500 RPM	1200 RPM
Max. airflow	93.4m³/h	74.3 m³/h
Max. acoustical noise	22.4 dB(A)	18.6 dB(A)
Max. static pressure	2.61 mmH2O	1.83 mmH2O

LOGISTIC DATA

Product name
Noctua NH-U12S TR4-SP3

EAN-No.
901001800011-5

UPC-No.
84150110011-6

Dimensions (HxWxD)
212 x 196 x 106 mm

Weight
1260 gr

Warranty
6 Years

MSPR
69.90 USD

Packaging unit
10 Pcs

Dimensions / Unit (HxWxD)
545 x 408 x 228 mm

Weight / Unit
13.60 kg

SCOPE OF DELIVERY

- 1x NF-F12 PWM premium fan
- 1x SecuFirm2™ mounting kit SP3/TR4
- 1x NT-H1 high-grade thermal compound
- 1x Low-Noise Adaptor (L.N.A.)
- 1x Anti-vibration pads and fan-clips for second NF-F12 (optional)