NF-A4x10 PWM

Noctua NF-A4x10 PWM Premium Fan

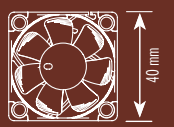
Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and Noctua's AAO frame, the NF-A4x10 PWM is an award-winning, premium-quality quiet fan in size 40x10mm. The PWM version sports Noctua's custom-designed NE-FD1 IC for fully automatic speed control via 4-pin fan headers and comes with a Low-Noise Adaptor as well as an OmniJoin™ Adaptor Set for easy connection to proprietary fan headers. Its superb running smoothness, reference-class SSO2 bearing and Noctua's trusted premium quality make it an elite choice for the highest demands.

LOGISTIC DATA

Product name	Noctua NF-A4x10 PWM
EAN	9010018100440
UPC	841501110443
Packaging dimensions (HxWxD)	210x150x34 mm
Weight incl. packaging	180 g
Warranty	6 years
Packaging unit	36 pcs
Packaging dimensions / unit (HxWxD)	390x390x360 mm
Weight incl. packaging / unit	8.30 kg

SCOPE OF DELIVERY

- NF-A4x10 PWM premium fan
- Low-Noise Adaptor (L.N.A.)
- 4x anti-vibration mounts
- 30cm extension cable
- OmniJoin adaptor cable
- 4-pin y-cable
- 4x fan screws



Award-winning NF-A4x10 design

Having received more than 100 awards and recommendations from the international press, Noctua's NF-A4x10 PWM has become a proven premium choice for 40mm cooling needs. Its renowned efficiency has convinced tens of thousands of customers all over the world.

Flow Acceleration Channels

The NF-A4x10 PWM impeller features suction side Flow Acceleration Channels. By speeding up the airflow at the crucial outer blade regions, this measure reduces suction side flow separation and thus leads to better efficiency and lower vortex noise.

Reduced motor hub size

Thanks to its streamlined, compact motor design, the NF-A4x10 PWM's motor hub is smaller than with conventional 4cm fans. This allows for more blade surface area and thus contributes to the NF-A4x10 PWM's superior airflow and pressure performance.

OmniJoin Adaptor Set

Many devices featuring 40mm fans use proprietary fan headers, so the NF-A4x10 PWM comes with Noctua's OmniJoin Adaptor Set. Just cut the original fan's cable, fix it to the adaptor using the supplied cable connectors and you can plug the NF-A4x10 PWM to proprietary fan headers!

Custom designed PWM IC with SCD

Supporting fully automatic PWM speed control, the NF-A4x10 PWM uses Noctua's custom designed NE-FD1 PWM IC that integrates Smooth Commutation Drive (SCD) technology. By providing smoother torque impulses, SCD suppresses PWM switching noises and thus makes the fan quieter at low speeds.

Extensive cabling options

The fan's short 20cm primary cable minimises cable clutter in typical applications while the supplied 30cm extension provides extended reach when necessary. Both cables are fully sleeved and a 4-pin y-cable allows the connection of a second fan to the same PWM fan header for automatic control.

SSO2 Bearing

The NF-A4x10 PWM features the further optimised second generation of Noctua's renowned, time-tested SSO bearing. With SSO2, the rear magnet is placed closer to the axis to provide even better stabilisation, precision and durability.

Low-Noise Adaptor

The NF-A4x10 PWM is supplied with a (L.N.A.) that reduces the maximum fan speed from 5000 to 3700rpm. The L.N.A. can be used either to run the fan at a fixed speed of 3700rpm or to cap the maximum speed when using automatic PWM control.

6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A4x10 PWM features an MTTF of more than 150,000 hours rating and comes with a full 6-year manufacturer's warranty.

SPECIFICATIONS

Dimensions	40x40x10 mm
Connector	4-pin
Bearing	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO (Advanced Acoustic Optimisation)
Max. input power / voltage	0.48 W / 12 V
MTTF	> 150,000 h

NF-A4x10 PWM	w/o adaptor	with L.N.A.
Max. rotational speed (+/–10%)	5000 RPM	3700 RPM
Max. airflow	8.9 m^3/h	6.6 m^3/h
Max. acoustical noise	19.6 dB(A)	12.9 dB(A)
Max. static pressure	1.95 mmH_2O	1.21 mmH_2O

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DESIGNED IN AUSTRIA

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 6000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are serving hundreds of thousands of satisfied customers around the globe.

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