

# NF-A4x10 24V PWM

# Noctua NF-A4x10 24V PWM Premium Fan



The NF-A4x10 24V PWM is a PWM-enabled 24V variant of Noctua's award-winning, premium-quality NF-A4x10 40mm fan. As such, it is ideal for 24V-based 3D printers as well as various other 24V applications. Featuring an AAO (Advanced Acoustic Optimisation) standard frame and sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A4x10 is renowned for its superior performance and outstanding quietness of operation. Smooth Commutation Drive technology and Noctua's reference class SSO2 bearing guarantee superb running smoothness and excellent long-term stability. Topped off with the included OmniJoin™ adaptor set, NA-AC9 adaptor cable for popular 3D printers (e.g. Creality Ender 3 & CR-10, Anycubic Mega), Low-Noise Adaptor and 6-year manufacturer's warranty, the NF-A4x10 24V PWM is a premium choice for demanding 24V applications with or without PWM control.

### Award-winning NF-A4x10 design

Having received more than 50 awards and recommendations from the international press, Noctua's NF-A4x10 has become a proven premium choice for 40mm cooling needs. Its renowned efficiency has convinced tens of thousands of customers all over the world.

### 24V PWM version

24V fans are used in various devices and applications ranging from 3D printers to automotive. With the included OmniJoin™ adaptor set, the NF-A4x10 24V is a proven, PWM-enabled premium solution that gives you full flexibility both for replacing existing 24V fans and for new, custom applications.

### Flow Acceleration Channels

The NF-A4x10 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.

### NA-AC9 adaptor for 3D printers

The NA-AC9 adaptor cable allows the fan to be connected to the 2-pin JST XHP-2 2.5mm sockets used on many popular 3D printer models (e.g. Creality Ender 3 and CR-10, Anycubic Mega). No soldering or re-wiring required!

### OmniJoin™ Adaptor Set

Many devices featuring 40mm fans use proprietary fan headers, so the NF-A4x10 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 to proprietary fan headers!

### AAO Frame

Noctua's AAO (Advanced Acoustic Optimisation) frames feature integrated anti-vibration pads as well as Noctua's proprietary Stepped Inlet Design and Inner Surface Microstructures, both of which further refine the fan's performance/noise efficiency.

### 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.

### Integrated Anti-Vibration Pads

Integrated Anti-Vibration Pads made from extra-soft silicone minimise the transmission of minute vibrations while maintaining full compatibility with all standard mounting systems and fan clips used on heatsinks.

### Safety certifications

Unlike many cheap fans, the NF-A4x10 24V PWM has been thoroughly tested for electrical safety, immunity and radiated emission. Carrying CE, TÜV, UKCA and UL certifications and meeting all applicable standards (EN 62368-1, EN 55035, EN 55032, UL-507), it is a safe, quality device through and through.

### 6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A4x10 features an MTTF of more than 150.000 hours rating and comes with a full 6-year manufacturer's warranty.

*Being a 24V fan, the NF-A4x10 24V cannot be run at 12V and requires a starting voltage of at least 17V. It is therefore not suitable for standard PC applications.*

## LOGISTIC DATA

Product name	Noctua NF-A4x10 24V PWM
EAN	9010018100679
UPC	841501110672
Packaging dimensions (HxWxD)	143x110x18 mm
Weight incl. packaging	73 g
Warranty	6 years
Packaging unit	36 pcs
Packaging dimensions / unit (HxWxD)	450x240x140 mm
Weight incl. packaging / unit	3.00 kg

## SCOPE OF DELIVERY

NF-A4x10 24V PWM premium fan
30cm extension cable
Low-Noise Adaptor (L.N.A.)
4-pin molex to 2-pin adaptor cable
OmniJoin™ adaptor set
4x anti-vibration mounts
4x fan screws



## SPECIFICATIONS

Dimensions	40x40x10 mm
Bearing	4-pin PWM
Connector	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO (Advanced Acoustic Optimisation)
Max. input power / voltage	1.08 W / 24 V
MTTF	> 150,000 h
NF-A4x10 24V PWM	w/o adaptor
Max. rotational speed (+/-10%)	5000 RPM
Max. airflow	8.9 m³/h
Max. acoustical noise	19.6 dB(A)
Max. static pressure	1.95 mmH <sub>2</sub> O

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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