

# NF-A4x10 5V PWM

# Noctua NF-A4x10 5V PWM Premium Fan



Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and an AAO frame, the NF-A4x10 5V PWM is a PWM enabled 5V variant of Noctua's award-winning, premium quality quiet 40x40mm fan. The custom designed NE-FD3 PWM IC that integrates Smooth Commutation Drive technology and Noctua's reference class SSO2 bearings guarantee superb running smoothness and excellent long-term stability. Topped off with modular cabling, the OmniJoin™ Adaptor Set and 6 years manufacturer's warranty, the NF-A4x10 5V PWM is a premium choice for demanding 5V applications that require PWM control.

### Award-winning NF-A4x10 design

Having received more than 100 awards and recommendations from the international press, Noctua's NF-A4x10 5V 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.

### 5V PWM version

Many devices such as network or storage solutions use 5 volt 40mm fans with PWM speed control. With the same operating voltage, PWM support and the included OmniJoin™ adaptor set that makes it compatible with proprietary fan headers, the NF-A4x10 5V PWM is ideal for replacing noisy or broken 5V 40mm fans with PWM.

### Flow Acceleration Channels

The NF-A4x10 5V 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.

### USB power adaptor cable

The fan includes a USB power adaptor cable that allows it to run on power banks, devices with USB host ports or USB power supplies such as those used for smartphones, giving you near endless possibilities for using the fan in your home, in your car or wherever a need for cooling occurs!

### OmniJoin Adaptor Set

Many devices featuring 5V fans use proprietary fan headers, so the NF-A4x10 5V 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 5V PWM 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.

### Polarity protection

As many devices using 5V fans feature proprietary connectors, and documentation of the pin alignment may not be available, the fan features an integrated diode for polarity protection. This way, you're on the safe side if you accidentally connect it with reverse polarity.

### 6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A4x10 5V PWM features an MTTF of more than 150,000 hours rating and comes with a full 6-year manufacturer's warranty.

*Being a 5V fan, the NF-A4x10 5V PWM cannot be run at 12V and will be damaged when used with typical 12V power sources such as PC motherboard fan headers.*

## LOGISTIC DATA

Product name  
**Noctua NF-A4x10 5V PWM**

EAN  
**9010018100327**

UPC  
**841501110320**

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 5V PWM premium fan

30cm extension cable

USB power adaptor cable

OmniJoin adaptor cable

4x anti-vibration mounts

4x fan screws



## SPECIFICATIONS

Dimensions	40x40x10 mm
Bearing	4-pin
Connector	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO (Advanced Acoustic Optimisation)
Max. input power / voltage	0.35 W / 5 V
MTTF	> 150,000 h

NF-A4x10 5V 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.

[www.noctua.at](http://www.noctua.at)