

NEPTUNE

DN120^{PRO} / DN140^{PRO}

User Manual



Pro Grade Static Pressure Fan

Product Video Information



Neptune Series Product Video



Neptune DN120 PRO / DN140 PRO Installation Video



Product Story

Neptune's Ultimate Pro Grade Fan

The DN PRO fans are the flagship fan of the Neptune series. These silent, high-static pressure fans achieve this notoriety with their revolutionary blade design, emphasizing aerodynamics and acoustic control. The DN Pro fans feature a three-phase, six-pole motor, contributing to the pro-grade cooling performance. Pairing the Fluid Dynamic Bearings (FDB) and the copper bearing shield provides a more balanced and stable fan.

Package Contents



Neptune DN120 PRO Single Pack

1. Neptune DN120 PRO Fan x 1
2. Fan Screws x 6
3. Radiator Screws 30 mm x 4
4. Radiator Screws 32 mm x 4
5. PWM Fan Extension Cable 500 mm x 1

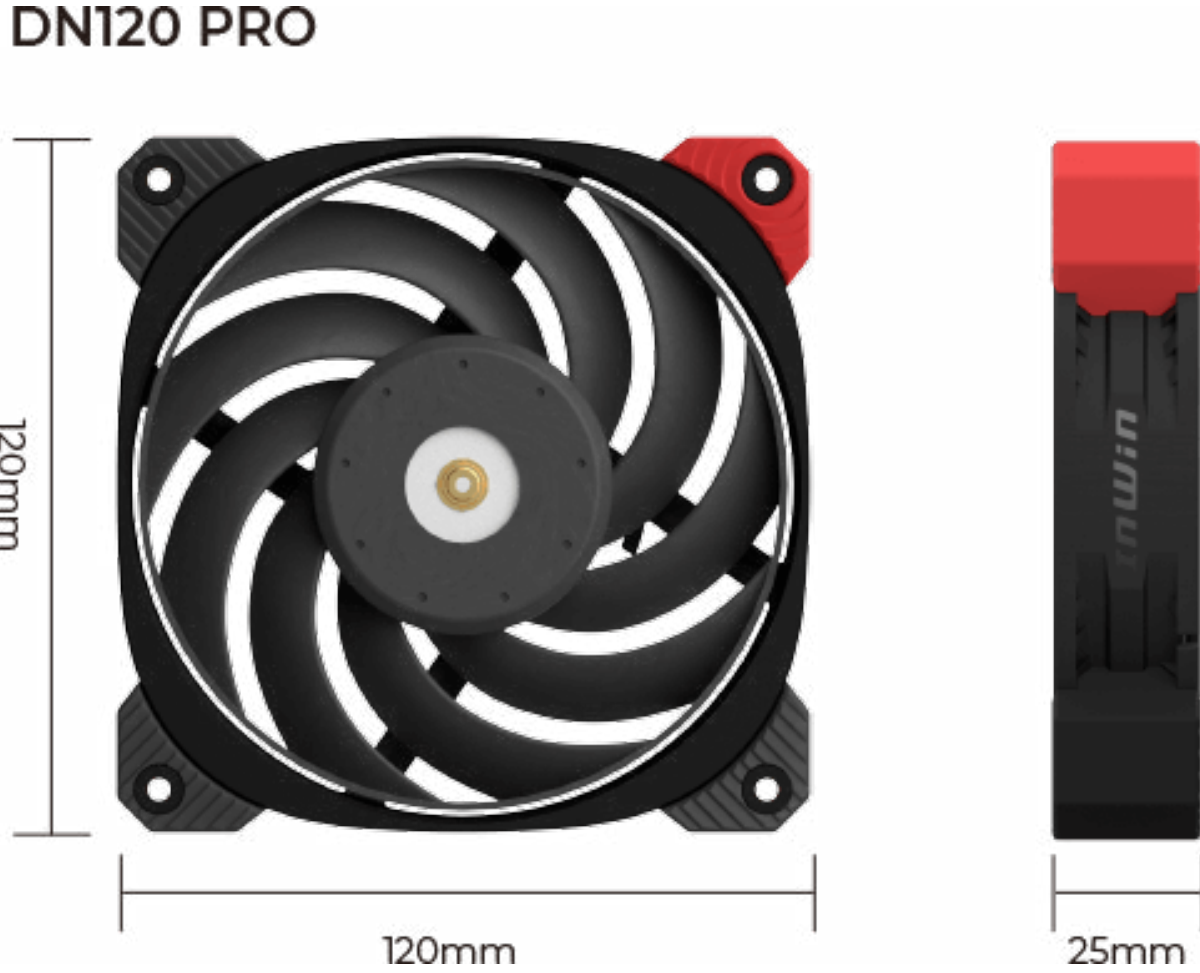


Neptune DN140 PRO Single Pack

1. Neptune DN140 PRO Fan x 1
2. Fan Screws x 6
3. Radiator Screws 30 mm x 4
4. Radiator Screws 32 mm x 4
5. PWM Fan Extension Cable 500 mm x 1



Specifications

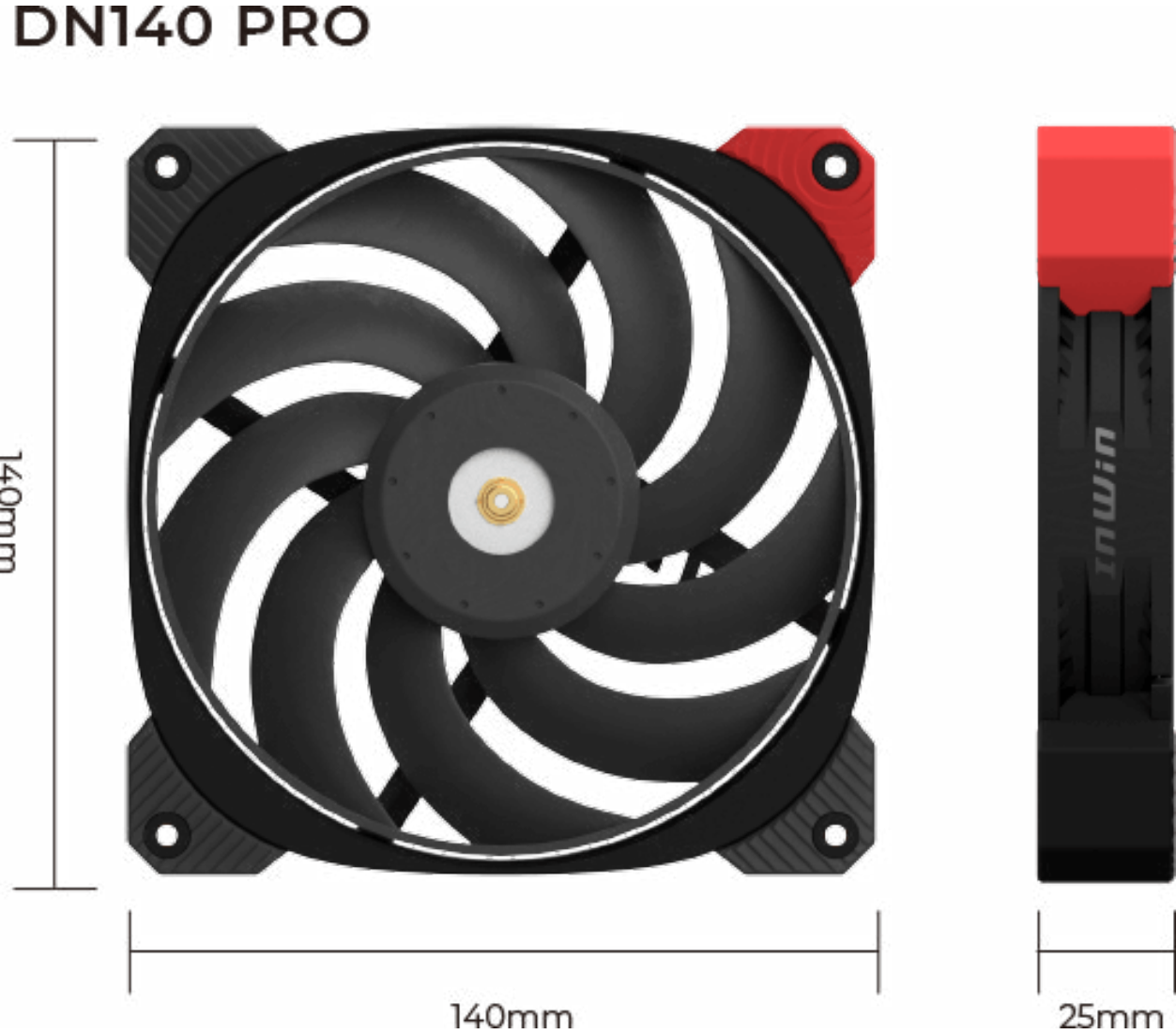


DN120 PRO

120mm

120mm

25mm



DN140 PRO

140mm

140mm

25mm

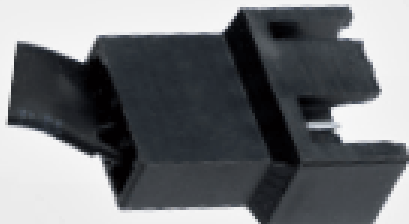
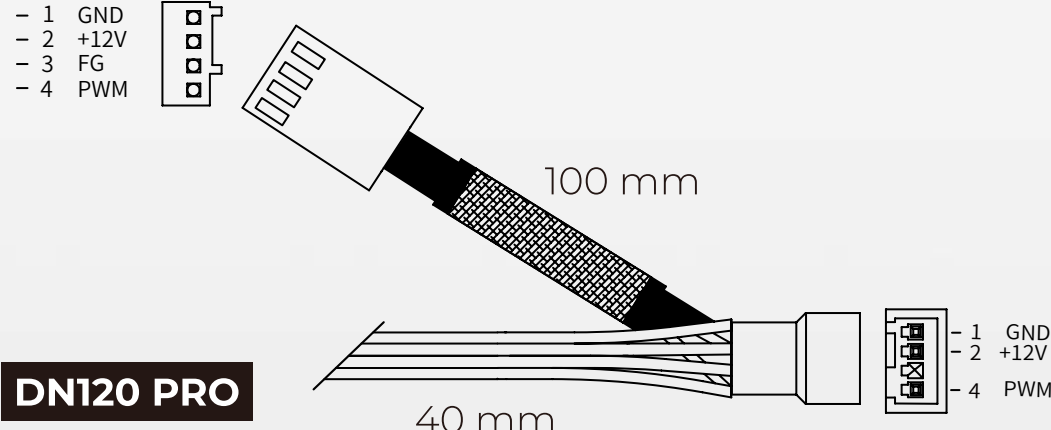
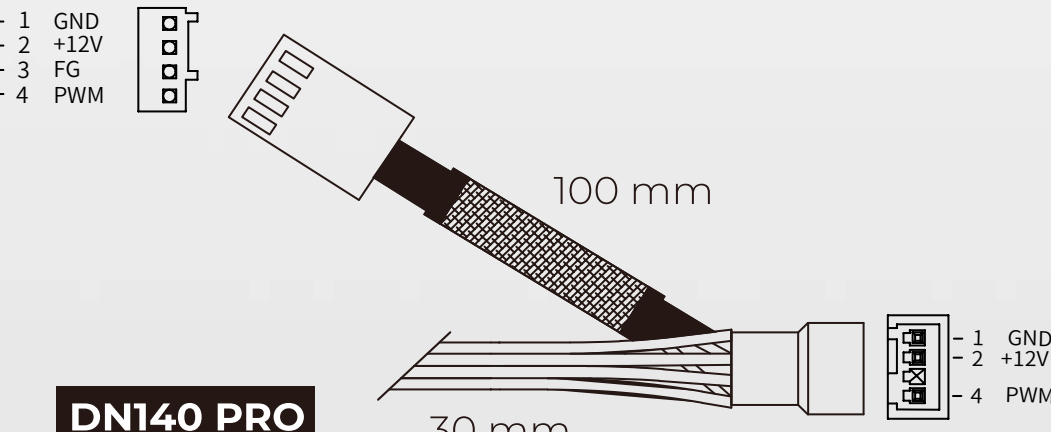
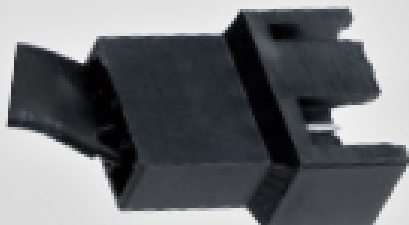
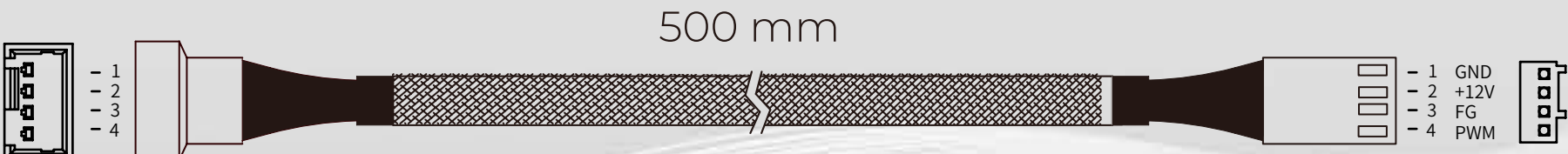
Model	Neptune DN120 PRO	Neptune DN140 PRO
Quantity Included	Single Pack	
Model Number	IW-FN-DN120PRO-1PK	IW-FN-DN140PRO-1PK
Colors	Black	
Fan Size	120 x 120 x 25 mm	140 x 140 x 25 mm
Materials	PBT, Silicon	
Rated Voltage	DC 12V	
Rated Power	1.44W	1.92W
Rated Current	0.13A	0.16A
Speed Mode	PWM 900 - 2200 +/- 10% RPM	PWM 900 - 1800 +/- 10% RPM
Air Flow	24.15 - 60.56 CFM	43.74 - 91.66 CFM
Air Pressure	0.45 - 2.83 mm / H2O	0.67 - 2.95 mm / H2O
Connector (Fan to Fan)	Non-Modular Cables	
Connector to M/B	4-Pin (12V, PWM)	
Noise Level	20.3 dB(A) (Normal)	24 dB(A) (Normal)
Bearing Type	FDB	
MTBF	>60,000 hrs.	
Net Weight	251 g / 0.55 lbs	297 g / 0.65 lbs
Gross Weight	441 g / 0.97 lbs	516 g / 1.14 lbs
Package Dimensions (L x W x H)	212 x 37 x 157 mm 8.35 x 1.45 x 6.18"	232 x 37 x 177 mm 9.13 x 1.45 x 6.97"
Warranty	6 Years	

* InWin products comply with RoHS regulations.

* Specifications may vary based on different regions.

Cable Information



PWM Fan Cable		
	1 GND 2 +12V 3 FG 4 PWM  DN120 PRO	
	1 GND 2 +12V 3 FG 4 PWM  DN140 PRO	
PWM Fan Extension Cable		
	1 GND 2 +12V 3 FG 4 PWM 	

1.

Please make sure the power is off.

2.

Install the fans by mounting them in the designated areas.

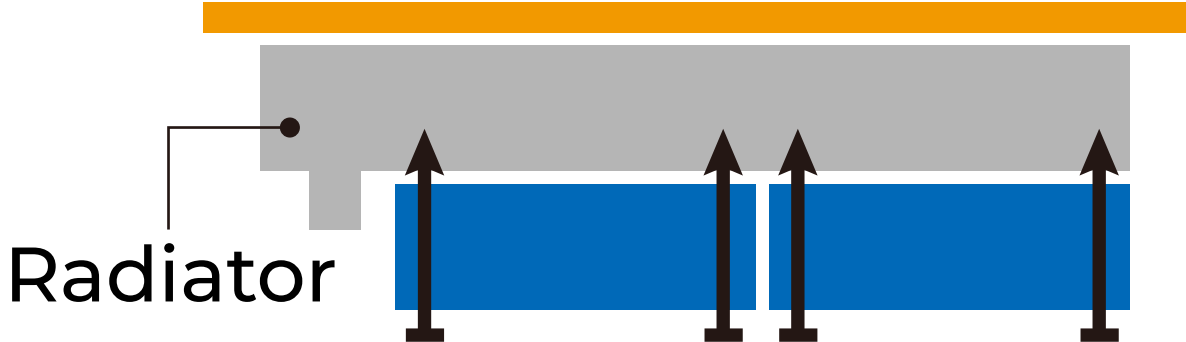
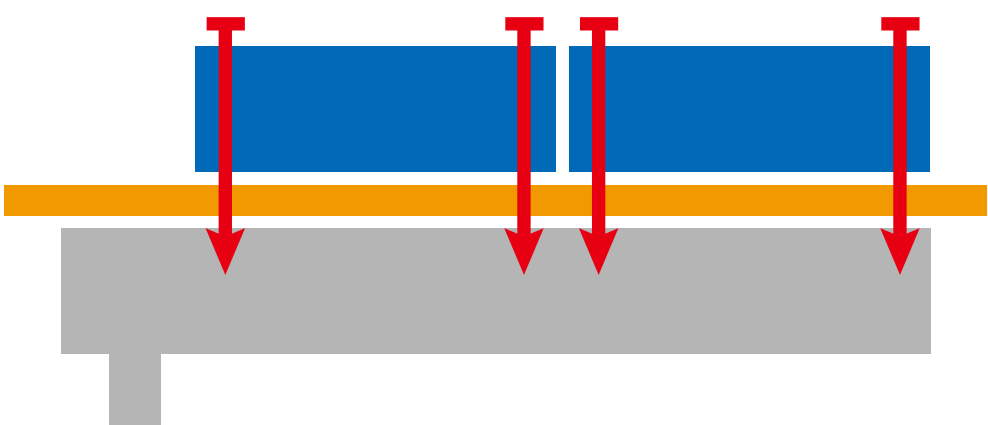
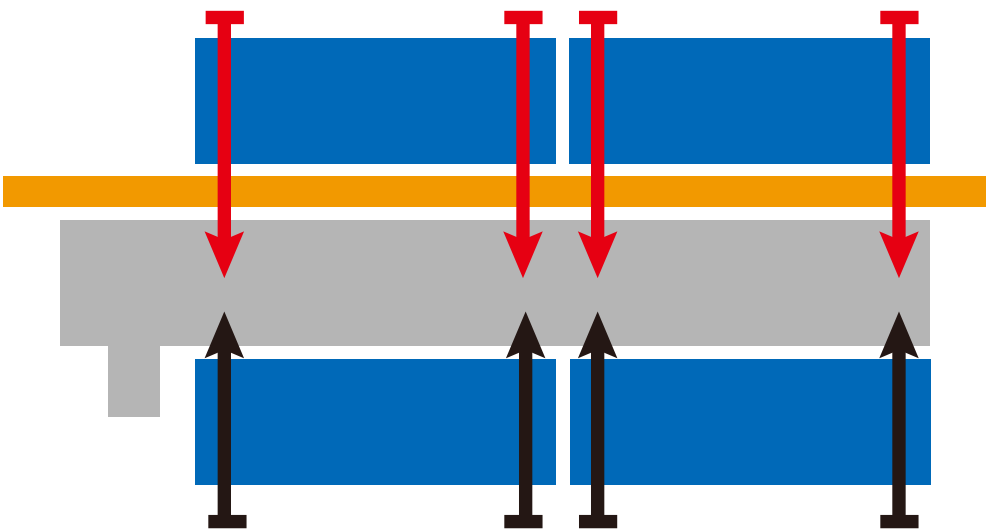
(1) Determine your airflow direction:

The following arrow  indicates the direction the air will be blowing.

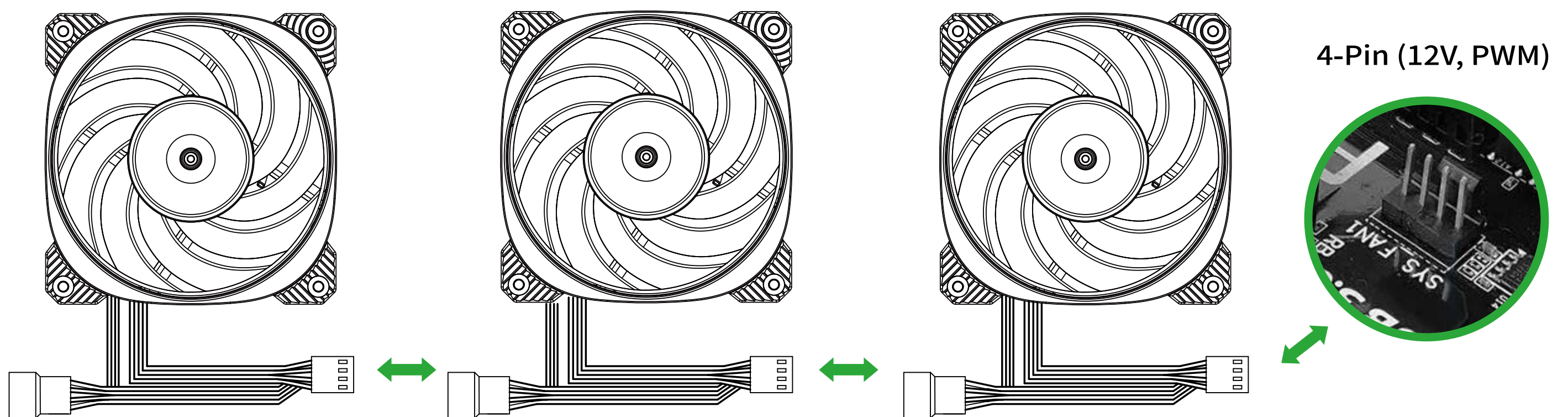


(2) Determine your cooling setup and select the right screws:

		
Fan Screws	Radiator Screws 30 mm	Radiator Screws 32 mm

1 	2 
3 	4 

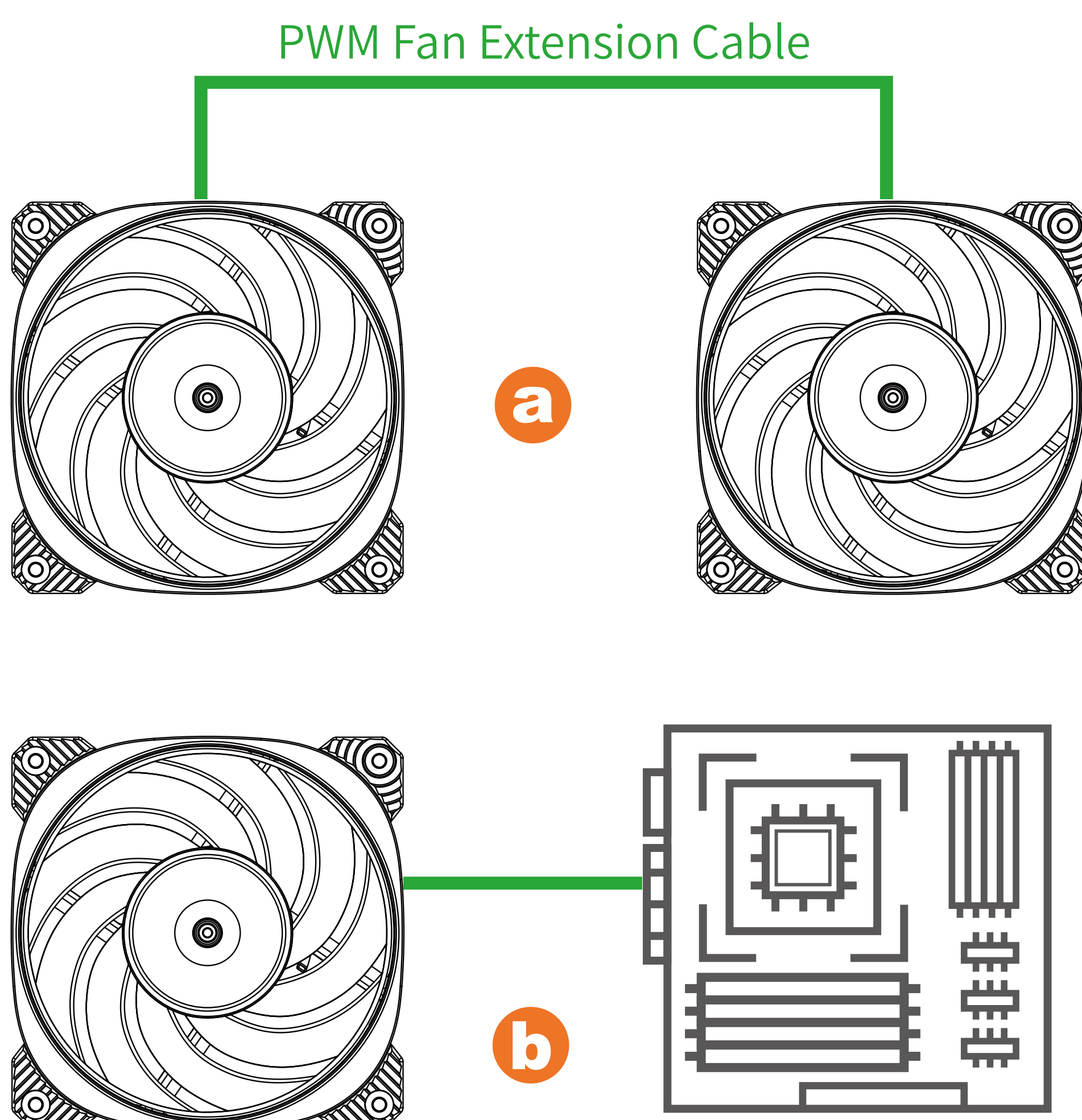
3. How to daisy-chain fans to a motherboard:



* Please note that the package contains only one fan.

4. Use PWM fan extension cables for the following reasons only:

- The distance between fans are too far away.
- The distance between the fan to the M/B is too far away.



Troubleshooting



If your fan does not operate properly, please follow the instructions below:

1. Please check your system's power.
 2. Please make sure all the connectors are connected properly.
 3. For more technical support, please visit InWin Forum at <https://forum.in-win.com/>
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Important Notes

1. Please install the fans by following our instructions.
2. When storing the fans, please keep this product away from high temperatures. Keep it away from machines such as heaters that might cause high temperatures.
3. Please do not put anything in the impeller.
4. Please do not modify the wires or the connectors provided by InWin.
5. Please do not touch the fan blades when the fan is in operation.
6. Please only use your fan in a computer case.
7. Please keep this product away from any liquids.



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