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ALINX FAN8060

ALINX FAN8060 Customized Cooling Fan Instruction Manual

Model: FAN8060

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your ALINX FAN8060 Customized Cooling Fan. Please read this manual thoroughly before using the product to ensure safe and efficient performance. The ALINX FAN8060 is a 12V DC, 30W cooling fan designed for various applications requiring efficient heat dissipation.

2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage matches the fan's rated voltage (12V DC). Connecting to an incorrect voltage may damage the fan or power supply.
- Do not operate the fan in environments with excessive moisture or extreme temperatures.
- Avoid touching the fan blades while the fan is operating.
- Keep the fan clear of obstructions to ensure proper airflow.
- Disconnect power before performing any maintenance or installation procedures.
- This product is not a toy. Keep out of reach of children.

3. PACKAGE CONTENTS

Please check the package contents upon receipt. If any items are missing or damaged, contact your vendor immediately.

- 1 x ALINX FAN8060 Cooling Fan Unit
- Mounting Screws (quantity may vary)

4. PRODUCT OVERVIEW

The ALINX FAN8060 is a compact cooling solution featuring a fan integrated with a heat sink, designed for efficient thermal management in electronic systems. It operates on a 12V DC power supply and has a

power rating of 30W.



Figure 4.1: Top and side view of the ALINX FAN8060 Cooling Fan, showcasing its integrated heat sink design.



Figure 4.2: The ALINX FAN8060 Cooling Fan unit, displaying the ALINX logo on the fan blades and a set of included mounting screws.

**ALINX Customized Cooling Fan
12V DC Power Supply Interface
30W, Size: 3.15 Inch * 2.36 Inch**



Figure 4.3: Technical drawing illustrating the side profile and heat sink fin dimensions of the ALINX FAN8060.

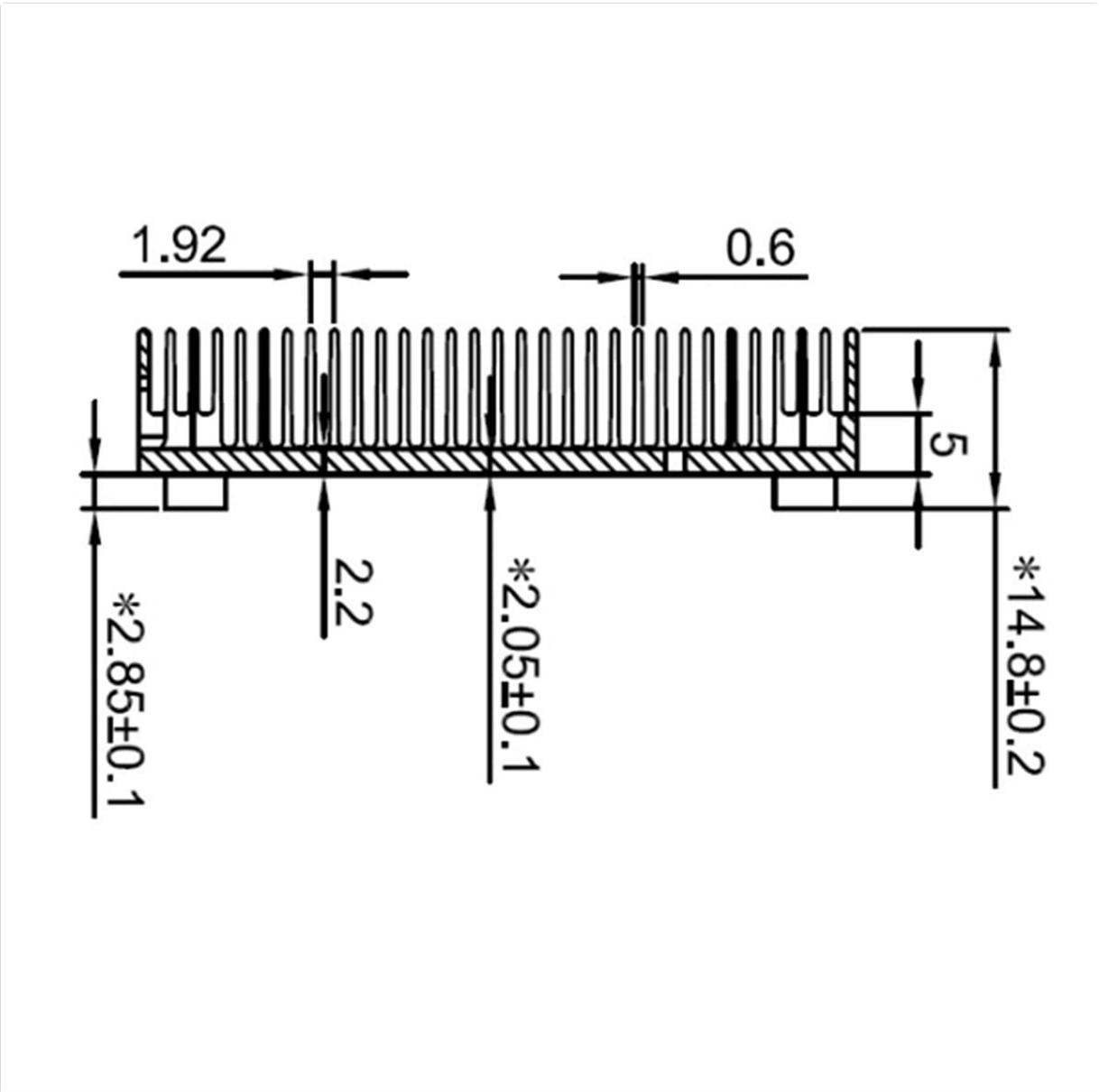


Figure 4.4: Technical drawing showing the top-down dimensions of the ALINX FAN8060, including overall length, width, and fan opening diameter.

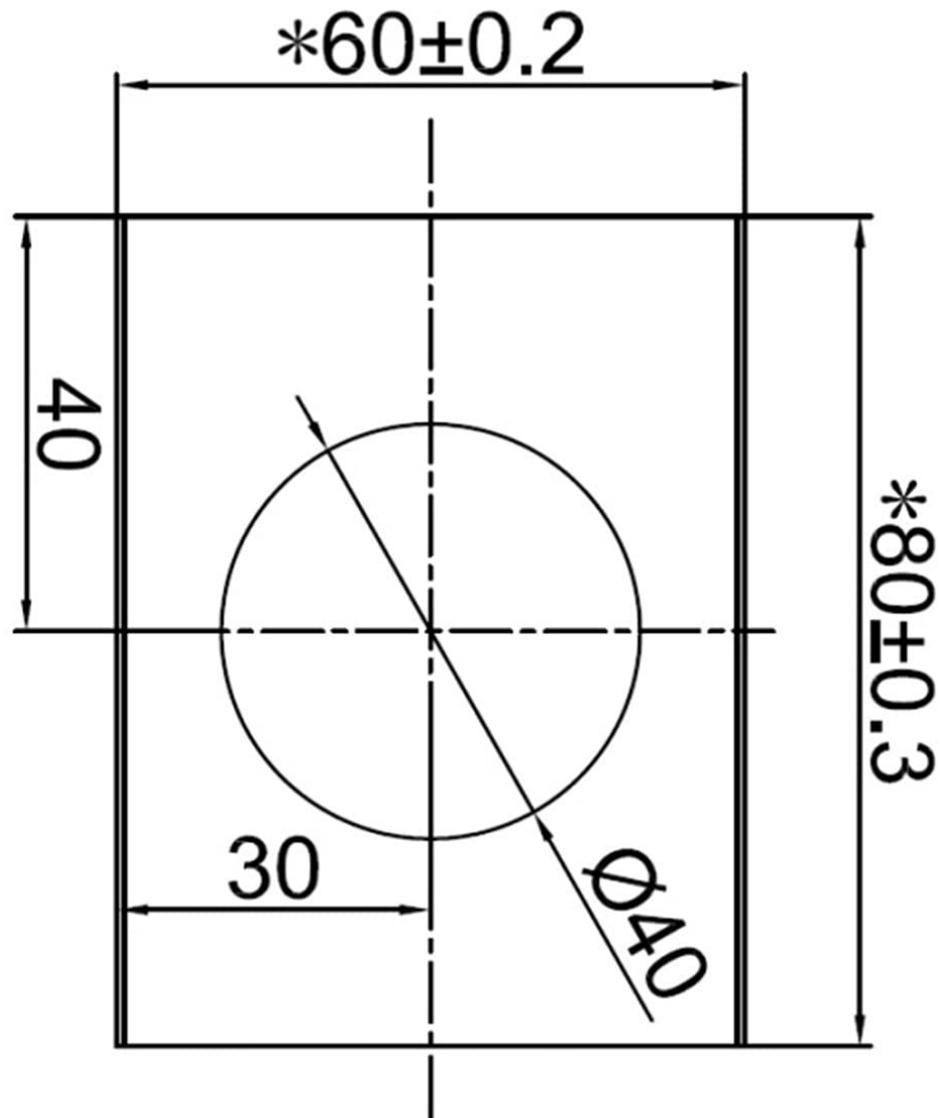


Figure 4.5: Technical drawing detailing the bottom mounting hole pattern and dimensions for the ALINX FAN8060, including M2.5 screw thread specifications.

5. SETUP

5.1 Mounting the Fan

1. Identify the desired mounting location within your system, ensuring adequate clearance for airflow.
2. Align the mounting holes on the fan unit with the corresponding holes on your system's chassis or component. Refer to Figure 4.5 for mounting hole dimensions.
3. Secure the fan using the provided mounting screws. Do not overtighten the screws to avoid damaging the fan or mounting surface.

5.2 Power Connection

1. Ensure your system's power is turned off and disconnected from the main power source.
2. Connect the fan's power cable to a compatible 12V DC power supply interface. Observe proper polarity (red wire typically positive, black wire typically negative).
3. Double-check all connections before restoring power to the system.

6. OPERATING INSTRUCTIONS

Once the ALINX FAN8060 is securely mounted and connected to a 12V DC power source, it will begin operating automatically when power is supplied. The fan is designed for continuous operation to provide consistent cooling.

- Verify that the fan blades are spinning freely and quietly after power-up.
- Ensure that the airflow is directed as intended for optimal cooling performance.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your cooling fan.

- **Cleaning:** Periodically inspect the fan blades and heat sink fins for dust accumulation. Disconnect power before cleaning. Use a soft brush, compressed air, or a vacuum cleaner with a narrow attachment to gently remove dust. Do not use liquid cleaners directly on the fan.
- **Inspection:** Check for any loose connections or unusual noises during operation. Address any issues promptly.
- **Avoid Obstructions:** Ensure that no cables or other components obstruct the fan's rotation or airflow path.

8. TROUBLESHOOTING

Fan Not Spinning

- Check if the power cable is securely connected to the 12V DC power source.
- Verify that the power source is active and providing 12V DC.
- Ensure correct polarity of the power connection.
- Inspect for any physical obstructions preventing the fan blades from rotating.

Unusual Noise

- Check for loose mounting screws.
- Ensure no cables or objects are touching the fan blades.
- Clean any dust or debris from the fan blades and housing.

If issues persist after troubleshooting, contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model	FAN8060
Brand	ALINX
Voltage	12 Volts DC
Wattage	30 Watts

Feature	Specification
Cooling Method	Air
Material	Copper
Maximum Rotational Speed	1800 RPM
Item Package Quantity	1

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your ALINX product vendor. Keep your purchase receipt as proof of purchase.