

PIA080G12H Foxconn 12VDC 80x80x25mm PWM Axial Fan Datasheet



Brand: Foxconn

SKU: [899791797334](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pia080g12h-foxconn-12vdc-80x80x25mm-pwm-axial-fan>

Product Description

The Foxconn PIA080G12H is a high-performance DC axial fan engineered for critical thermal management in high-density server environments. Operating at a nominal 12VDC, this unit utilizes a robust motor architecture capable of sustaining rotational speeds up to 10000 RPM, ensuring rapid heat dissipation through substantial volumetric airflow. The design incorporates a 4-wire PWM control interface, allowing for precise speed modulation based on real-time thermal demands, thereby optimizing the balance between cooling efficiency and acoustic signature. Built with structural rigidity to withstand high static pressure requirements, the PIA080G12H minimizes thermal impedance in restricted chassis spaces, making it an ideal solution for continuous-duty industrial applications requiring reliable forced convection.

Model Number: PIA080G12H

Brand: Foxconn

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Rated Current: 2.20 A

Power Consumption: 26.4 W

Rated Speed: 10000 RPM

Dimensions: 80 x 80 x 25 mm

Bearing Type: Dual Ball Bearing

Speed Control: 4-Wire PWM

Termination: 4-Wire Lead

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Application: Server Chassis

Mounting Orientation: Any

The PIA080G12H is specifically designed for high-performance computing environments, particularly within server chassis where component density restricts natural airflow. This model excels in rack-mounted server units and blade servers, providing the necessary static pressure to force air through dense heatsinks and drive arrays. Additionally, the PIA080G12H is suitable for industrial telecommunications equipment and high-wattage power supply units that demand aggressive thermal regulation. By integrating the PIA080G12H, system integrators ensure operational stability for mission-critical hardware subject to heavy processing loads.

Supplemental Images

