

PVB120E12H-P01-AE Foxconn 12VDC 120mm PWM Blower Fan Datasheet



Brand: Foxconn

SKU: [722487142298](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

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Product Description

The Foxconn PVB120E12H-P01-AE is a high-efficiency centrifugal blower fan engineered for restricted airflow environments requiring substantial static pressure. Operating at a nominal 12VDC with a current draw of 1.00A, this unit delivers 12W of cooling power, utilizing a precision-balanced impeller to minimize vibration and acoustic resonance. The architecture features a 4-wire PWM interface for dynamic speed regulation, ensuring optimal thermal impedance management under varying load conditions. Constructed with robust thermoplastic housing and a durable bearing system, it ensures structural rigidity and long-term reliability in compact chassis integration.

Model Number: PVB120E12H-P01-AE

Brand: Foxconn

Product Type: Centrifugal Blower Fan

OEM Part Numbers: 0PMYMW, 0W46N2, CN-0PMYMW, CN-0W46N2

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.00 A

Power Consumption: 12.0 W

Connector Type: 4-Pin / 4-Wire

Speed Control: PWM (Pulse Width Modulation)

Bearing Type: Precision Hydraulic Bearing

Dimensions: 120mm x 120mm x 32mm (Approximate Frame Size)

Mounting Holes: 3-Point Mounting

Airflow Direction: Radial / 90 Degree Exhaust

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Wire Termination: Lead Wires with Connector

Operating Temperature: -10°C to +70°C

Application Compatibility: Dell OptiPlex 7440, 7450, 3240 AIO Series

Cooling Method: Active Air Cooling

Protection: Locked Rotor Protection, Polarity Protection

This centrifugal blower is primarily deployed in compact computing solutions such as All-in-One (AIO) workstations, specifically compatible with Dell OptiPlex series systems. The PVB120E12H-P01-AE excels in scenarios where vertical clearance is limited, and airflow must be directed 90 degrees from the intake. By maintaining high static pressure, the PVB120E12H-P01-AE effectively forces air through dense heatsink fins found in integrated chassis designs, ensuring critical components remain within safe thermal operating limits during intensive processing tasks.

Supplemental Images

