

# AD0712UB-A7BGP ADDA 12VDC 70x70x25mm PWM Axial Fan Datasheet



**Brand:** ADDA

**SKU:** 877390068041

**Category:** Axial & Centrifugal Fans

**Price:** **\$10.99**

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Product Page:

<https://www.equipspares.com/product/ad0712ub-a7bgp-adda-12vdc-70x70x25mm-pwm-axial-fan>

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## Product Description

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The ADDA AD0712UB-A7BGP is a precision-engineered DC axial fan designed for demanding thermal management applications requiring high volumetric airflow and static pressure. Utilizing advanced brushless DC motor technology, this unit ensures consistent rotational stability and optimized torque delivery under varying load conditions. The architecture incorporates a robust Ball Bearing system, significantly reducing frictional coefficients and enhancing structural rigidity for prolonged operational lifespans in continuous duty cycles. Its aerodynamic impeller design minimizes turbulence while maximizing air throughput, making it an ideal solution for overcoming high thermal impedance in densely packed electronic enclosures. The integration of Pulse Width Modulation (PWM) allows for dynamic speed regulation, enabling precise thermal control and energy efficiency.

Model Number: AD0712UB-A7BGP

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.42 A

Power Consumption: 5.04 W

Rated Speed: 5200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 48.2 CFM (81.9 m<sup>3</sup>/h / 1.36 m<sup>3</sup>/min)  
Max. Static Pressure: 8.4 mmH<sub>2</sub>O (82.4 Pa / 0.33 inH<sub>2</sub>O)  
Dimensions: 70 x 70 x 25 mm  
Weight: 88 g  
Life Expectancy: 70,000 Hours at 40°C  
Speed Control: 4-Wire PWM  
Noise Level: 43.0 dB(A)  
Housing Material: PBT Plastic (UL94V-0)  
Blade Material: PBT Plastic (UL94V-0)  
Termination: 4-Wire Leads  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Ingress Protection: IP20 (Standard)  
Safety Certifications: UL, CUL, TUV, CE

This high-performance cooling solution is specifically engineered for critical industrial environments requiring reliable heat dissipation. The AD0712UB-A7BGP is frequently deployed in server rack enclosures, telecommunications base stations, and industrial power supply units where airflow must be maintained against significant system resistance. Additionally, the AD0712UB-A7BGP serves as a vital component in CNC machinery control panels and medical instrumentation, ensuring sensitive components remain within safe thermal operating limits through precise PWM speed control.

## Supplemental Images

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