

# 40281BX-Q000-S99 SUNON 12VDC 40x40x28mm 8.16W PWM Server Fan Datasheet



**Brand:** SUNON

**SKU:** [904383090045](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$18.99**

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Product Page:

<https://www.equipspares.com/product/40281bx-q000-s99-sunon-12vdc-40x40x28mm-8-16w-pwm-server-fan>

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## Product Description

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The SUNON 40281BX-Q000-S99 is a high-performance DC axial fan engineered specifically for high-density server environments and industrial applications requiring exceptional static pressure. Built upon a robust Dual Ball Bearing architecture, this unit ensures long-term reliability and structural rigidity even under continuous high-speed operation. The 12VDC motor is optimized for high-torque output, consuming 8.16W to drive the impeller at velocities necessary to overcome significant system impedance. Featuring a 4-wire interface with PWM speed control, it allows for precise thermal management, dynamically adjusting airflow based on system load to optimize the balance between cooling efficiency and power consumption. The aerodynamic blade design minimizes turbulence while maximizing air penetration in restricted chassis.

Model Number: 40281BX-Q000-S99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.68 A

Power Consumption: 8.16 W

Dimensions: 40 x 40 x 28 mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (Red +, Black -, Yellow Tach, Blue PWM)

Air Flow Direction: Exhaust over struts

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

Ingress Protection: IP Standard

Origin: China

The 40281BX-Q000-S99 is primarily deployed in 1U server racks and high-performance computing clusters where space is limited and backpressure is high. Its high-power motor makes the 40281BX-Q000-S99 ideal for cooling dense CPU heatsinks, redundant power supplies, and telecommunications equipment that demand unflinching forced air convection to prevent thermal throttling.

## Supplemental Images

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