

VF40281BX-Q780-Q9I SUNON 12VDC 40x40x28mm 18W Server Fan Datasheet



Brand: SUNON

SKU: [679284526430](#)

Category: Axial & Centrifugal Fans

Price: **\$51.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/vf40281bx-q780-q9i-sunon-12vdc-40x40x28mm-18w-server-fan>

Product Description

The SUNON VF40281BX-Q780-Q9I is a high-performance DC axial fan engineered for critical thermal management in dense server environments. Operating at 12VDC with a substantial power rating of 18.00W, this unit utilizes advanced brushless motor technology to deliver exceptional airflow against high system resistance. The design incorporates a robust frame architecture that ensures structural rigidity under high-speed operation, minimizing vibration and noise resonance. Featuring precision ball bearings, the VF40281BX-Q780-Q9I offers superior longevity and reliability, effectively reducing thermal impedance in restricted chassis spaces. Its aerodynamic blade geometry is optimized for maximum static pressure, making it an ideal solution for forced convection cooling in enterprise-grade hardware.

Model Number: VF40281BX-Q780-Q9I

Brand: SUNON

Product Type: DC Axial Fan

OEM Part Numbers: HP P35708-001, P35711

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Power Rating: 18.00 W

Rated Current: 1.50 A

Dimensions: 40 x 40 x 28 mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.0 CFM (40.7 m³/h / 0.68 m³/min)

Max. Static Pressure: 2.80 inH₂O (697 Pa / 71.1 mmH₂O)

Rated Speed: 22000 RPM (Nominal)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Connector: 4-Pin Server Connector

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

Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

Safety Certifications: UL, CUR, TUV, CE

Designed specifically for high-density computing, the VF40281BX-Q780-Q9I serves as a critical cooling component within HP server infrastructure, corresponding to part numbers P35708-001 and P35711. This fan is deployed in rack-mounted server chassis where maintaining optimal operating temperatures for CPUs and memory modules is paramount. The VF40281BX-Q780-Q9I excels in forcing air through dense heatsinks and restricted airflow channels found in enterprise data centers, telecommunications equipment, and network storage arrays, ensuring system stability during peak processing loads.

Supplemental Images

