

# F4010ES-24VBVFK2 ICFAN 24VDC 0.22A 40x40x10mm Axial Fan Datasheet



**Brand:** ICFAN

**SKU:** [947332864809](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/f4010es-24vbvfk2-icfan-24vdc-0-22a-40x40x10mm-axial-fan>

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## Product Description

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ICFAN F4010ES-24VBVFK2 is a 24VDC 40x40x10mm Axial Fan optimized for high-density thermal management in medical diagnostic equipment. This compact cooling solution utilizes a brushless DC motor and precision dual ball bearing architecture to minimize thermal impedance while maintaining structural rigidity under continuous operation. Engineered for reliability, it draws 0.22A and operates at high rotational speeds to overcome internal system resistance. The aerodynamic impeller design is specifically tuned for low-noise profiles required in clinical environments. With its 3-wire configuration providing a tachometer signal, it ensures real-time monitoring of cooling performance, making it a critical component for maintaining the longevity of sensitive medical electronics.

Model Number: F4010ES-24VBVFK2

Brand: ICFAN

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.22 A

Power: 5.28 W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 7.2 CFM (12.2 m<sup>3</sup>/h / 0.20 m<sup>3</sup>/min)

Max. Static Pressure: 5.8 mmH<sub>2</sub>O (56.8 Pa / 0.23 inH<sub>2</sub>O)

Dimensions: 40 x 40 x 10 mm

Weight: 25 g

Life Expectancy: 70,000 hours at 40 °C

Speed Control: Tachometer (FG) Signal

Ingress Protection: IP54

Insulation Class: Class A

Noise Level: 32.5 dB(A)

Housing/Blade Material: PBT Plastic (UL94V-0)

Termination: 3 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Mounting Orientation: Any

Certifications: CE, RoHS, UL

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

#### F4010ES-24VBVFK2 Applications

1. Medical Diagnostic Imaging: Low-vibration operation ensures optical precision in portable ultrasound and scanning modules.
2. 1U Server Enclosures: High static pressure allows for efficient heat dissipation in space-constrained rackmount hardware as a replacement fan.
3. Laboratory Centrifuges: Compact form factor and 24VDC compatibility provide localized cooling for high-speed motor controllers.

## Supplemental Images

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