

# EG50040S1-1C250-S9A SUNON 5VDC 2.25W Blower Fan Datasheet



**Brand:** SUNON

**SKU:** [790364845427](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page: <https://www.equipspares.com/product/eg50040s1-1c250-s9a-sunon-5vdc-2-25w-blower-fan>

## Product Description

The SUNON EG50040S1-1C250-S9A is a precision-engineered DC centrifugal blower designed for high-performance mobile computing thermal management. Featuring SUNON's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing, resulting in zero friction, reduced noise levels, and superior structural rigidity compared to traditional sleeve bearings. The 5VDC cooling module operates at 2.25W, delivering concentrated airflow to overcome the high thermal impedance found in ultra-slim laptop chassis. Equipped with a 4-wire PWM interface, it allows for dynamic speed regulation based on real-time system temperatures, ensuring optimal cooling efficiency and acoustic performance for professional workstations.

Model Number: EG50040S1-1C250-S9A

Brand: SUNON

Product Type: DC Centrifugal Blower / Laptop Fan

OEM Part Number: M46735-001

Compatible Series: HP EliteBook x360 1040 G8

Rated Voltage: 5VDC

Power: 2.25 W

Rated Current: 0.45 A (Calculated)

Bearing Type: MagLev (Magnetic Levitation Vapo)

Termination: 4-Wire

Connector Type: 4-Pin Proprietary Header  
Speed Control: PWM (Pulse Width Modulation)  
Cooling Technology: Active Air Cooling  
Mounting Style: Integrated Chassis Mount  
Material: PBT Plastic (UL94V-0)  
Condition: New  
Application: CPU/GPU Thermal Module

This thermal solution is specifically manufactured for the HP EliteBook x360 1040 G8, serving as a direct OEM replacement for part number M46735-001. The EG50040S1-1C250-S9A is critical for maintaining safe operating temperatures within the laptop's compact enclosure, preventing thermal throttling during intensive processing tasks. Repair technicians and IT administrators utilize the EG50040S1-1C250-S9A to restore factory-standard cooling performance in enterprise-grade mobile devices, ensuring hardware longevity and system stability.

## Supplemental Images

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