

# GFM0412SS-DE1P Delta 12VDC 40x40x56mm Dual Motor Axial Fan Datasheet



**Brand:** Delta

**SKU:** [992383064632](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$25.99**

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Product Page:

<https://www.equipspares.com/product/gfm0412ss-de1p-delta-12vdc-40x40x56mm-dual-motor-axial-fan>

## Product Description

The Delta GFM0412SS-DE1P is a high-performance counter-rotating axial fan engineered specifically for high-impedance server environments and dense electronic enclosures. Featuring a sophisticated dual-motor design within a compact 4056 form factor, this unit utilizes contra-rotating blade geometry to significantly increase static pressure and straighten airflow, overcoming the resistance typical of 1U server racks and tightly packed heatsinks. Constructed with a durable thermoplastic housing and precision ball bearings, the fan ensures exceptional structural rigidity and thermal stability under continuous load. The integrated PWM control allows for dynamic speed adjustment, optimizing the balance between thermal dissipation and acoustic performance in mission-critical hardware.

Model Number: GFM0412SS-DE1P

Brand: Delta Electronics

Product Type: Counter-Rotating DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.40 A

Power Consumption: 16.8 W

Dimensions: 40mm x 40mm x 56mm

Bearing Type: Precision Ball Bearing

Motor Architecture: Dual Brushless DC Motor

Air Flow Direction: Intake over Struts

Termination: 5-Pin Connector / 5-Wire Lead

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Mounting Type: Flange Mount

Application: Server / Chassis Cooling

The GFM0412SS-DE1P is primarily utilized in enterprise-grade computing hardware, including 1U rackmount servers, blade chassis, and high-performance storage arrays where space is limited but cooling demands are extreme. The counter-rotating design of the GFM0412SS-DE1P makes it an ideal solution for forcing air through dense fin stacks and restricted pathways found in telecommunications equipment and industrial automation controllers.

## Supplemental Images

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